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NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
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NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS	28	Mar 20	EVENTLINE will be removed from STN
NEWS	29	Mar 24	PATDPAFULL now available on STN
NEWS	30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	31	Apr 11	Display formats in DGENE enhanced
NEWS	32	Apr 14	MEDLINE Reload
NEWS	33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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=> file polymers

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

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0.21

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FILE 'WTEXTILES' ENTERED AT 15:58:13 ON 22 APR 2003  
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=> s composition

18 FILES SEARCHED...

L1 4605420 COMPOSITION

=> s l1 and starch

L2 153272 L1 AND STARCH

=> s l2 and (cationi? (w)modif?)

L3 469 L2 AND (CATIONI? (W) MODIF?)

=> s l3 and (degree (w) substitution)

L4 0 L3 AND (DEGREE (W) SUBSTITUTION)

=> s l3 and (alkonium or ammonium)

L5 332 L3 AND (ALKONIUM OR AMMONIUM)

=> s l5 and (benzalkonium or cetyl)

L6 72 L5 AND (BENZALKONIUM OR CETYL)

=> s l6 and (personal (w) care or adhesive or flocculent or cagulent or drift)

18 FILES SEARCHED...

L7 37 L6 AND (PERSONAL (W) CARE OR ADHESIVE OR FLOCCULENT OR CAGULEN  
T OR DRIFT)

=> dis l7 1-37 bib abs

L7 ANSWER 1 OF 37 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467782 PROMT

TI Chemical tradenames. (Q-Z).(list of chemical companies throughout the  
world with contact data)(Industry Overview)(Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 497(9).  
ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 12518

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB QDO DBQDO: Vulcanizing agents -- Lord Corporation, Chemical Product

Division

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Subscription: \$99.00 per year. Published weekly. P.O. Box 7721, Riverton, NJ 08077-9021.

L7 ANSWER 2 OF 37 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467781 PROMT

TI Chemical tradenames. (F-P).(list of chemical companies throughout the world with contact data)(Industry Overview)(Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 486(12).

ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 18020

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB F-1000, 2000, 2100, 2200, 2300, 3600, 4400: Aluminum hydroxide dried gel  
-- Reheis Inc

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L7 ANSWER 3 OF 37 USPATFULL

AN 2003:99246 USPATFULL

TI Thickener-rheology modifier system for **personal care compositions**

IN Sorrentino, Paul M., Monmouth Jct., NJ, UNITED STATES

Cottrell, Ian W., Princeton, NJ, UNITED STATES

Pluyer, Johan G.L., East Millstone, NJ, UNITED STATES

Babenko, Tamara, Bridgewater, NJ, UNITED STATES

PI US 2003068350 A1 20030410

AI US 2002-195677 A1 20020712 (10)

RLI Division of Ser. No. US 1998-134221, filed on 14 Aug 1998, GRANTED, Pat. No. US 6447803

DT Utility

FS APPLICATION

LREP Karen G. Kaiser, Intellectual Property, NATIONAL STARCH AND CHEMICAL COMPANY, P. O. Box 6500, Bridgewater, NJ, 08807-0500

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 554

AB A thickener-rheology modifier system for use in hair care and skin care **compositions** comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener comprising an aqueous emulsion copolymer of:

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R.sup.1 is H, C.sub.1-C.sub.4 alkyl, or --CH.sub.2COOX; R is --COOX and R.sup.1 is H or --CH.sub.2COOX; and R is CH.sub.3 and R.sup.1 is H, C.sub.1-C.sub.4 alkyl or --CH.sub.2COOX; and X is H or C.sub.1-C.sub.4 alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH.sub.2.dbd.CYZ

where Y is H or CH<sub>3</sub> and Z is ##STR2##

where R is C<sub>1</sub> to C<sub>4</sub> alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH<sub>3</sub> and R" is H, CH<sub>3</sub>, --COOH or --CH<sub>2</sub>COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

L7 ANSWER 4 OF 37 USPATFULL  
AN 2003:89008 USPATFULL  
TI Stable alkaline hair bleaching **compositions** and method for use thereof  
IN Dias, Louis Carlos, Virginia Water, UNITED KINGDOM  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6540791 B1 20030401  
AI US 2000-537451 20000327 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Gupta, Yogendra N.; Assistant Examiner: Hamlin, D G  
LREP Paul, Andrew A., Rosnell, Tara M., Miller, Steven W.  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 2766  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB An alkaline hair bleaching **composition** comprising (a) from about 0.01% to about 12%, by weight, of at least one oxidizing agent; (b) from about 0.2% to about 20%, by weight, of a buffering system, present in an amount sufficient to generate a pH of the **composition** in the range from about 5 to about 11, wherein said buffering system comprises at least one pH modifying ingredient selected from the group consisting of (i) borates buffers, (ii) alkalizing agents, and mixtures thereof; (c) from about 150 ppm to about 5,000 ppm of at least one stabilizer; and (d) from about 0.01% to about 50%, by weight, of at least one hair care ingredient selected from the group consisting of (i) surfactants, (ii) catalysts, (iii) thickeners, (iv) conditioners, and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 37 USPATFULL  
AN 2003:9367 USPATFULL  
TI Ink set, process for forming colored portion and ink-jet recording apparatus  
IN Takahashi, Katsuhiko, Kanagawa, JAPAN  
Tochihara, Shinichi, Kanagawa, JAPAN  
Kurabayashi, Yutaka, Tokyo, JAPAN  
Tomiooka, Hiroshi, Tokyo, JAPAN  
Ogasawara, Masashi, Tokyo, JAPAN

PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)  
PI US 2003007051 A1 20030109  
AI US 2002-137377 A1 20020503 (10)  
PRAI JP 2001-1404652001 20010510  
DT Utility  
FS APPLICATION  
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY,  
10112  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN 12 Drawing Page(s)  
LN.CNT 2781

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides an ink set, a process for forming a colored portion and an ink-jet recording apparatus which are used for obtaining higher-quality ink-jet recorded articles. The ink set comprises an aqueous ink containing at least an ultrafinely particulate pigment as a coloring material and an aqueous liquid **composition** containing fine particles, dispersed therein and electrically charged at the surface in a polarity opposite to the ink.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 37 USPATFULL  
AN 2002:344625 USPATFULL  
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium  
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF  
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF  
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE  
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF  
PA BASF Akiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF  
(non-U.S. corporation)  
PI US 2002198359 A1 20021226  
US 6541564 B2 20030401  
AI US 2002-127508 A1 20020423 (10)  
PRAI DE 2001-125138 20010522  
DT Utility  
FS APPLICATION  
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755  
JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202  
CLMN Number of Claims: 16  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1768

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 37 USPATFULL  
AN 2002:238635 USPATFULL  
TI Anti-dandruff and conditioning shampoos containing polyalkylene glycols and cationic polymers  
IN Dunlop, David Scott, Mason, OH, United States  
Guskey, Susan Marie, Montgomery, OH, United States  
Leyba, Vicente Eduardo, Los Ruices, VENEZUELA  
Royce, Douglas Allan, Aurora, IN, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 6451300 B1 20020917  
AI US 2000-558447 20000425 (9)  
PRAI US 1999-132869P 19990503 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, S.  
LREP Peebles, Brent M., Paul, Andrew A., Rosnell, Tara M.  
CLMN Number of Claims: 25  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 1991

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior combination of anti-dandruff efficacy and conditioning, and a method of cleansing and conditioning the hair comprising applying to the hair and scalp an effective amount of said **compositions**. The anti-dandruff and conditioning shampoos comprise: (A) from about 5% to about 50%, by weight of the **composition**, of an anionic surfactant; (B) from about 0.01% to about 10%, by weight of the **composition**, of a non-volatile conditioning agent; (C) from about 0.1% to about 4%, by weight of the **composition**, of an anti-dandruff particulate; (D) from about 0.02% to about 5%, by weight of the **composition**, of at least one cationic polymer; (E) from 0.005% to about 1.5%, by weight of the **composition**, of a polyalkylene glycol corresponding to the formula: H(OCH.sub.2--CHR).sub.n--OH, (i) wherein R is selected from the group consisting of hydrogen, methyl and mixtures thereof, (ii) wherein n is an integer having an average value from about 1,500 to about 120,000; and (F) water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 37 USPATFULL  
AN 2002:221039 USPATFULL  
TI **Compositions** useful for regulating hair growth containing metal complexes of oxidized carbohydrates  
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES  
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES  
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES  
PI US 2002119174 A1 20020829  
AI US 2001-909440 A1 20010719 (9)  
PRAI US 2000-220756P 20000726 (60)  
DT Utility  
FS APPLICATION  
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, SHARON WOODS TECHNICAL CENTER, 11511 REED HARTMAN HIGHWAY, CINCINNATI, OH, 45241  
CLMN Number of Claims: 50  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3342

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable cosmetic, dermatological, or pharmaceutical **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate; wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate nor lithium gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle, wherein the vehicle comprises at least about 5%, by weight of the **composition**, of propylene glycol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 37 USPATFULL  
AN 2002:191165 USPATFULL  
TI Shampoos providing a superior combination anti-dandruff efficacy and

condition  
IN Dunlop, David Scott, Mason, OH, UNITED STATES  
Boyd, Roberta Atwood, Cincinnati, OH, UNITED STATES  
Guskey, Susan Marie, Montgomery, OH, UNITED STATES  
Schwartz, James Roberts, Cincinnati, OH, UNITED STATES  
Marchetta, Anthony Raymond, Mason, OH, UNITED STATES  
PI US 2002102228 A1 20020801  
AI US 2000-558465 A1 20000425 (9)  
PRAI US 1999-132867P 19990503 (60)  
DT Utility  
FS APPLICATION  
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL  
CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2634

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior combination of anti-dandruff efficacy and conditioning, and a method of cleansing and conditioning the hair comprising applying to the hair and scalp an amount of said **compositions**. The anti-dandruff and conditioning shampoos comprise: (A) from about 5% to about 50%, by weight, of an anionic surfactant; (B) from about 0.01% to about 10%, by weight, of a non-volatile conditioning agent; (C) from about 0.1% to about 4%, by weight, of an anti-dandruff agent; (D) from about 0.02% to about 5%, by weight, of at least one cationic polymer; and (E) water. The **compositions** (A) have a bioavailability/coverage index value, as defined herein, of at least about 1.25; (B) have a first conditioning index value, as defined herein, of less than or equal to about 1.0; (C) have a second conditioning index value, as defined herein, of at least about 1.5; and (D) have a minimal inhibitory concentration index value, as defined herein, of at least about 0.125.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 37 USPATFULL  
AN 2002:140041 USPATFULL  
TI Ink-jet recording material and use of the same  
IN Tachikawa, Masashi, Tokyo, JAPAN  
Kaneko, Satoshi, Tokyo, JAPAN  
PI US 2002071018 A1 20020613  
AI US 2001-867590 A1 20010531 (9)  
PRAI JP 2000-168668 20000606  
JP 2000-223303 20000725  
DT Utility  
FS APPLICATION  
LREP MANELLI DENISON & SELTER, 2000 M STREET NW SUITE 700, WASHINGTON, DC,  
20036-3307  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1262  
AB There are disclosed an ink-jet recording material for back lit use having a light transmitting support and an ink-receptive layer provided on the support, wherein the ink-receptive layer comprises a hydrophilic polymer and an inorganic pigment having an average particle diameter of 0.5 to 10  $\mu\text{m}$ , or it comprises an inorganic fine particles having an average primary particle diameter of 3 to 50 nm and an average secondary particle diameter of less than 0.5  $\mu\text{m}$ , a hydrophilic polymer and an inorganic pigment having an average particle diameter of 0.5 to 10  $\mu\text{m}$ , and a Haze value of the ink receptive layer defined by JIS-K-7105 is 25% or less and an image clarity C value of a surface of the ink receptive layer defined by JIS-H-8686 is 85% or less, and relates to a



use thereof, preferably, a contact angle of a surface of the ink-jet recording material for a back lit use with water is 13 to 35.degree. while one with linseed oil is 8 to 20.degree..

L7 ANSWER 11 OF 37 USPATFULL  
AN 2002:135890 USPATFULL  
TI Recording medium, production process of the recording medium, and image forming process using the recording medium  
IN Ichinose, Hirofumi, Tokyo, JAPAN  
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)  
PI US 6402316 B1 20020611  
AI US 1999-471226 19991223 (9)  
PRAI JP 1998-373139 19981228  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Le, N.; Assistant Examiner: Feggins, K.  
LREP Fitzpatrick, Cella, Harper & Scinto  
CLMN Number of Claims: 16  
ECL Exemplary Claim: 1  
DRWN 12 Drawing Figure(s); 4 Drawing Page(s)  
LN.CNT 1056

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recording medium for use in ink-jet recording. The recording medium has a substrate and at least one porous resin layer formed on the substrate. The porous resin layer comprises heteromorphmic microspheres formed of a thermoplastic resin. The invention also encompasses a process for producing a recording medium having at least one porous resin layer on a substrate. The process includes the steps of applying to the substrate a coating formulation comprising polymer colloid in which heteromorphmic microspheres are dispersed, and drying the coating formulation at a temperature lower than the lowest film-forming temperature of the heteromorphmic microspheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 37 USPATFULL  
AN 2002:78790 USPATFULL  
TI THICKENER-RHEOLOGY MODIFIER SYSTEM FOR **PERSONAL CARE COMPOSITIONS**  
IN SORRENTINO, PAUL M., MONMOUTH JCT., NJ, UNITED STATES  
COTTRELL, IAN W., PRINCETON, NJ, UNITED STATES  
PLUYER, JOHAN G., EAST MILLSTONE, NJ, UNITED STATES  
BABENKO, TAMARA, BRIDGEWATER, NJ, UNITED STATES  
PI US 2002042448 A1 20020411  
US 6447803 B2 20020910  
AI US 1998-134221 A1 19980814 (9)  
DT Utility  
FS APPLICATION  
LREP LARELEE A. DUNCAN, NATIONAL STARCH AND CHEMICAL COMPANY, P.O. BOX 6500, BRIDGEWATER, NJ, 08807-0500  
CLMN Number of Claims: 18  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 555

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thickener-rheology modifier system for use in hair care and skin care **compositions** comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener comprising an aqueous emulsion copolymer of

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R<sup>1</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl, or --CH<sub>2</sub>COOX; R is --COOX and R<sup>1</sup> is H or --CH<sub>2</sub>COOX; and R is CH<sub>3</sub> and R<sup>1</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or --CH<sub>2</sub>COOX; and X is H or C<sub>1</sub>-C<sub>4</sub> alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH<sub>2</sub>.dbd.CYZ

where Y is H or CH<sub>3</sub> and Z is ##STR2##

where R is C<sub>1</sub> to C<sub>4</sub> alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH<sub>3</sub> and R'' is H, CH<sub>3</sub>, --COOH or --CH<sub>2</sub>COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 37 USPATFULL  
AN 2002:69591 USPATFULL  
TI Modified **starch** solutions and their use in **personal care**  
IN Melby, Allan L., Cranberry Township, PA, United States  
Gunther, Manfred, Hamburg, GERMANY, FEDERAL REPUBLIC OF  
Gaffney, Tammy W., New Castle, PA, United States  
Matz, Gary F., Carnegie, PA, United States  
PA Calgon Corporation, Naperville, IL, United States (U.S. corporation)  
PI US 6365140 B1 20020402  
AI US 2000-717958 20001120 (9)  
PRAI US 1999-168939P 19991203 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Hartley, Michael G.; Assistant Examiner: Willis, Michael A.  
LREP Brumm, Margaret M., Breininger, Thomas M.  
CLMN Number of Claims: 18  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 932  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Disclosed are novel aqueous modified **starch** solutions, such solutions can contain high levels of the modified **starch** and remain stable such that on standing, the solution does not form a precipitate, become a non pourable gel, separate or spoil due to attack from microorganisms. The use of the novel aqueous modified **starch** solutions in a cosmetically acceptable medium for the treatment of a keratin-containing substrate is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 14 OF 37 USPATFULL  
AN 2002:61235 USPATFULL  
TI Method of regulating hair growth using metal complexes of oxidized carbohydrates  
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES  
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES  
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES  
PA The Procter & Gamble Company (U.S. corporation)  
PI US 2002035070 A1 20020321  
AI US 2001-909441 A1 20010719 (9)  
PRAI US 2000-220755P 20000726 (60)  
DT Utility  
FS APPLICATION  
LREP Brent M. Peebles, The Procter & Gamble Company, Sharon Woods Technical Center, 11511 Reed Hartman Highway, Cincinnati, OH, 45241  
CLMN Number of Claims: 44  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3276

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for regulating the growth of hair comprising administering to a mammal, an effective amount of a **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate, wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 15 OF 37 USPATFULL  
AN 2002:36617 USPATFULL  
TI Non-contact information recording medium for ink-jet recording and image forming process  
IN Shino, Yoshiyuki, Kanagawa, JAPAN  
Higuma, Masahiko, Chiba, JAPAN  
PI US 2002021330 A1 20020221  
AI US 2001-900008 A1 20010709 (9)  
PRAI JP 2000-208994 20000710  
DT Utility  
FS APPLICATION  
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112  
CLMN Number of Claims: 13  
ECL Exemplary Claim: 1  
DRWN 6 Drawing Page(s)  
LN.CNT 823

AB Disclosed herein is a non-contact information recording medium for ink-jet recording, on and from which information can be recorded and read in a non-contact state from the outside, comprising an electronic information storing circuit part and an image recording part, wherein at least part of the electronic information storing circuit part has an ink/circuit-part barrier structure by which the circuit part undergoes no circuit trouble caused by an ink applied to the image recording part.

L7 ANSWER 16 OF 37 USPATFULL  
AN 2002:9654 USPATFULL  
TI Cleansing articles for skin and/or hair which also deposit skin care actives  
IN Albacarys, Lourdes Dessus, West Chester, OH, United States  
McAtee, David Michael, Mason, OH, United States  
Deckner, George Endel, Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6338855 B1 20020115  
AI US 1999-296334 19990422 (9)  
RLI Continuation-in-part of Ser. No. US 1998-65991, filed on 24 Apr 1998, now abandoned Continuation-in-part of Ser. No. US 1997-974033, filed on 19 Nov 1997, now abandoned Continuation-in-part of Ser. No. US 1996-738145, filed on 25 Oct 1996, now abandoned Continuation of Ser. No. US 1996-738668, filed on 25 Oct 1996, now abandoned  
PRAI US 1998-83015P 19980424 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Criares, Theodore J.  
LREP Allen, George W., Matthews, Armina E., Tsuneki, Fumiko  
CLMN Number of Claims: 29  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 3405

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing article useful for both cleansing the skin or hair and delivering skin care actives onto the skin or hair. These articles are used by the consumer by (i) wetting the dry article with water and (ii) generating lather by subjecting the wetted article to mechanical forces, e.g., rubbing. The article comprises a water insoluble substrate, a lathering surfactant, and a skin care active component. Preferably, the articles of the present invention further comprise a deposition aid and/or a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 17 OF 37 USPATFULL  
AN 2001:111814 USPATFULL  
TI Antiperspirant **compositions**  
IN Fletcher, Neil Robert, Wirral, United Kingdom  
Kanda, Miyuki, Tochigi-ken, Japan  
Ketelson, Howard Allen, London, Canada  
Turner, Graham Andrew, Wirral, United Kingdom  
PA Unilever Home & Personal Care USA, division of Conopco, Inc., Chicago, IL, United States (U.S. corporation)  
PI US 6261543 B1 20010717  
AI US 1999-416104 19991012 (9)  
PRAI GB 1998-22518 19981015  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Dodson, Shelley A.  
LREP Boxer, Matthew  
CLMN Number of Claims: 50  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1238

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant emulsions which exhibit excellent phase stability even in the presence of an effective concentration of antiperspirant salts in solution and which are thickened are obtainable by dispersing a hydratable polymer and particularly an amphoteric or **cationic modified starch** in an aqueous emulsion forming a viscous emulsion, often at an elevated temperature, subjecting the emulsion to high shear, thereby reducing the droplet size of the dispersed oil phase, bringing the emulsion to below 40.degree. C. and introducing the antiperspirant, preferably in aqueous solution. The viscous emulsion subjected to high shear mixing desirably has a Shear Stress of 10 to 500 Pa. The resultant emulsions show good phase stability even when they contain aluminium/ zirconium antiperspirant

salts that promote instability and even at elevated storage temperatures such as at 50.degree. C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 18 OF 37 USPATFULL  
AN 2001:71085 USPATFULL  
TI Topical Products as prophylactic of curative agents for bacterial skin infections  
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of  
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of  
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of  
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)  
PI US 6231848 B1 20010515  
WO 9814199 19980409  
AI US 1999-269333 19990325 (9)  
WO 1997-EP5291 19970926  
19990325 PCT 371 date  
19990325 PCT 102(e) date  
PRAI DE 1996-19640364 19960930  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kulkosky, Peter F.  
LREP Keil & Weinkauff  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to topical products intended for use as prophylactic or curative agents for bacterial skin infections, containing at least one polymeric complex substantially consisting of hydrogen peroxide, a suitable polymer for the complex formation thereof, possibly another bactericidal compound and possibly a metal salt or a metal colloid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 19 OF 37 USPATFULL  
AN 2001:25445 USPATFULL  
TI Cleansing and conditioning products for skin or hair with improved deposition of conditioning ingredients  
IN Hasenoehrl, Erik John, Loveland, OH, United States  
McAtee, David Michael, Mason, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6190678 B1 20010220  
AI US 1998-148540 19980904 (9)  
PRAI US 1997-58093P 19970905 (60)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Jarvis, William R. A.; Assistant Examiner: Kim, Vickie  
LREP Tsuneki, Fumiko, Allen, George W.  
CLMN Number of Claims: 21  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing product useful for both cleansing and consistently conditioning the skin or hair. These products are used by the consumer by wetting the dry product with water. The product comprises of a water insoluble substrate, a lathering surfactant, and a conditioning

component having a lipid hardness value of at least about 0.02 kg. This invention also encompasses methods for providing consistent deposition of conditioning agents to the skin or hair. The invention also encompasses methods for cleansing and conditioning the skin or hair using these products and to methods for manufacturing these products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 20 OF 37 USPATFULL  
AN 2000:174084 USPATFULL  
TI **Personal care compositions** containing  
thermoplastic elastomeric graft copolymers  
IN Torgerson, Peter Marte, Washington Court House, OH, United States  
Midha, Sanjeev, Blue Ash, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
corporation)  
PI US 6165455 20001226  
AI US 1997-897397 19970721 (8)  
RLI Continuation of Ser. No. US 1995-445267, filed on 19 May 1995, now  
abandoned which is a continuation of Ser. No. US 1994-269246, filed on  
30 Jun 1994, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kulkosky, Peter F.  
LREP Murphy, Stephen T.  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2374

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to hair care **compositions**  
containing nonpolar graft thermoplastic elastomeric copolymers and a  
water insoluble volatile solvent for the copolymer. This invention  
relates to styling products such as sprays and mousses, to hair  
conditioning products such as rinses and leave on conditioners, and to  
shampoo products useful for both cleansing and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 21 OF 37 USPATFULL  
AN 2000:160606 USPATFULL  
TI Cleansing and conditioning article for skin or hair  
IN McAtee, David Michael, Mason, OH, United States  
Nissing, Nicholas James, Cincinnati, OH, United States  
Hasenoehrl, Erik John, Loveland, OH, United States  
Cabell, David William, Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
corporation)  
PI US 6153208 20001128  
AI US 1998-152034 19980911 (9)  
PRAI US 1997-58608P 19970912 (60)  
US 1998-72440P 19980126 (60)  
US 1998-85495P 19980514 (60)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Dodson, Shelley A.; Assistant Examiner: Lamm, Marina  
LREP Allen, George W., Tsuneki, Fumiko  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN 8 Drawing Figure(s); 4 Drawing Page(s)  
LN.CNT 3452

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable,  
personal cleansing article useful for both cleansing the skin or hair,

and more particularly to a disposable, cleansing article having a substrate which preferably comprises of multiple layers. These articles are used by the consumer by wetting the dry article with water. The article comprises a water insoluble substrate having at least a first portion that is wet extensible and at least a second portion that is less wet extensible than said first portion and a lathering surfactant. Preferably, the articles of the present invention further comprise a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 22 OF 37 USPATFULL  
AN 2000:64839 USPATFULL  
TI Aqueous solution **compositions** comprising polymer hydrogel  
**compositions**  
IN Tsaur, Liang Sheng, Norwood, NJ, United States  
Shen, Shiji, River Edge, NJ, United States  
Jobling, Margaret, Bebington, United Kingdom  
Aronson, Michael Paul, West Nyack, NY, United States  
PA Lever Brothers Company, New York, NY, United States (U.S. corporation)  
PI US 6066613 20000523  
AI US 1997-965138 19971106 (8)  
RLI Division of Ser. No. US 1996-703116, filed on 27 Aug 1996, now patented,  
Pat. No. US 5726138  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Hardee, John R.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 16  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1436

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 23 OF 37 USPATFULL  
AN 1999:102422 USPATFULL  
TI Polymer/hydrogen peroxide complexes  
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of  
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of  
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of  
Reich, Hans-Bernd, Neuhofen, Germany, Federal Republic of  
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 5945032 19990831  
AI US 1997-935656 19970923 (8)  
PRAI DE 1996-19640365 19960930  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lovering, Richard D.  
LREP Keil & Weinkauff  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 682

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polymer complexes which comprises hydrogen peroxide, a polymer suitable for complex formation with hydrogen peroxide, and at least one metal colloid and/or metal salt are prepared as described and used in bactericidal **compositions**, disinfectant systems, hair cosmetic

**compositions** and as free-radical initiators for chemical reactions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 24 OF 37 USPATFULL  
AN 1999:67000 USPATFULL  
TI Aqueous hair setting **composition** containing silicone grafted copolymer  
IN Midha, Sanjeev, Blue Ash, OH, United States  
Torgerson, Peter Marte, Washington Court House, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5911979 19990615  
AI US 1997-807845 19970226 (8)  
RLI Continuation of Ser. No. US 1995-370147, filed on 9 Jan 1995, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Harrison, Robert H.  
LREP Lewis, Leonard W., Murphy, Stephen T., Rosnell, Tara M.  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous hair setting **composition**, comprising: (a) from about 0.1% to about 15%, by weight, of a cationic, water soluble polymeric hair setting agent, said hair setting agent being a silicone macromer-grafted copolymer derived by polymerization of: (i) from about 1% to about 20%, by weight, silicone macromers; (ii) from about 5% to about 75%, by weight, nonionic, quaternizable monomers; and (iii) from about 5% to about 90%, by weight, nonionic, water soluble, non-quaternizable monomers; wherein at least about 5 wt/%, of the monomers, calculated by total weight of the copolymer, are quaternized and said copolymer has a backbone having a Tg of from about 30.degree. C. to about 140.degree. C.; and (b) from about 75% to about 99.9%, by weight, water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 25 OF 37 USPATFULL  
AN 1998:61586 USPATFULL  
TI Process for making aqueous solution **compositions** comprising polymer hydrogel **compositions**  
IN Tsaur, Liang Sheng, Norwood, NJ, United States  
Shen, Shiji, River Edge, NJ, United States  
Jobling, Margaret, Bebington, England  
Aronson, Michael Paul, West Nyack, NY, United States  
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)  
PI US 5759969 19980602  
AI US 1996-703747 19960827 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 1  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1399

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a process for making hydrogel dispersions/particles capable of trapping water insoluble beneficial



agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 26 OF 37 USPATFULL  
AN 1998:54471 USPATFULL  
TI Hair care **compositions** having styling/conditioning agent and plasticizer  
IN Leitch, Steven Hilary, Maineville, OH, United States  
Bartz, Lisa Jo, Cincinnati, OH, United States  
Fish, Kathleen Brown, Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5753216 19980519  
AI US 1994-203723 19940228 (8)  
RLI Continuation of Ser. No. US 1993-26144, filed on 2 Mar 1993, now abandoned which is a continuation of Ser. No. US 1991-671578, filed on 19 Mar 1991, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Venkat, Jyothsan  
LREP Lewis, Leonard W., Rosnell, Tara M., Henderson, Loretta J.  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1975

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are hair care **compositions** containing a hair styling/conditioning copolymer solubilized or dispersed in a volatile silicone fluid, wherein the copolymer-volatile silicone fluid solution further comprises a nonvolatile plasticizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 27 OF 37 USPATFULL  
AN 1998:51563 USPATFULL  
TI **Composition** and improved pH driven method for wastewater separation using an amphoteric carboxylate and a cationic destabilizer **composition**  
IN Falbaum, David J., St. Paul, MN, United States  
Hei, Robert D., Cottage Grove, MN, United States  
Maier, Helmut K., Golden Valley, MN, United States  
Mattia, Paul J., Prior Lake, MN, United States  
PA Ecolab Inc., St. Paul, MN, United States (U.S. corporation)  
PI US 5750484 19980512  
AI US 1997-802219 19970219 (8)  
RLI Continuation of Ser. No. US 1995-429896, filed on 27 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-267664, filed on 29 Jun 1994, now patented, Pat. No. US 5523000  
DT Utility  
FS Granted  
EXNAM Primary Examiner: McAvoy, Ellen M.  
LREP Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1041

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved separation of emulsified hydrophobic organic soils can be obtained from aqueous effluents using an amphoteric carboxylate surfactant material in combination with cationic destabilizer or **flocculent** materials. Such a treatment in combination with an acidic pH adjustment causes the rapid separation of hydrophobic organic

soils from the aqueous stream. The treated aqueous stream is environmentally compatible.

Improved laundry detergents comprising an organic amphoteric carboxylate surfactant and selected nonionic surfactants provide both cleaning for fiber and fabric containing items soiled with substantial quantities of hydrophobic soil. The pH of an effluent generated in such cleaning processes can be adjusted to an acid pH and treated with a cationic material causing a break that permits rapid and substantially complete separation of the hydrophobic organic soils from the effluent. Residual concentrations of organic soil in effluent water can be less than 250 ppm and can be as low as 10 ppm.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 28 OF 37 USPATFULL  
AN 1998:25194 USPATFULL  
TI Aqueous solution **compositions** comprising polymer hydrogel  
**compositions**  
IN Tsaur, Liang Sheng, Norwood, NJ, United States  
Shen, Shiji, River Edge, NJ, United States  
Jobling, Margaret, Bebington, England  
Aronson, Michael Paul, West Nyack, NJ, United States  
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)  
PI US 5726138 19980310  
AI US 1996-703116 19960826 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 6  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1393

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 29 OF 37 USPATFULL  
AN 97:78166 USPATFULL  
TI **Personal care compositions** containing hydrophobic linear copolymer and hydrophobic, volatile, branched hydrocarbon solvent  
IN Bolich, Jr., Raymond Edward, Maineville, OH, United States  
Midha, Sanjeev, Blue Ash, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5662892 19970902  
AI US 1996-616402 19960315 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon  
LREP Henderson, Loretta J., Sabatelli, Anthony D.  
CLMN Number of Claims: 21  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1545

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to **personal care compositions**, especially hair care **compositions**,

containing hydrophobic, linear random copolymers and a hydrophobic, volatile, branched hydrocarbon solvent for the copolymer. The copolymer is formed by the copolymerization of monomer units that form a homopolymer having a T.sub.g of at least 90.degree. C., and monomer units that form a homopolymer having a T.sub.g of less than 25.degree. C. The hydrocarbon solvent consists essentially of one or more branched chain hydrocarbons containing from 10 to 16 carbon atoms. The invention relates to hair styling and conditioning products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 30 OF 37 USPATFULL  
AN 97:47378 USPATFULL  
TI Foaming cleansing products  
IN Fowler, Timothy J., Cincinnati, OH, United States  
Woodin, Jr., Frederick W., Middletown, OH, United States  
Deckner, George E., Cincinnati, OH, United States  
Gupte, Anil J., Cincinnati, OH, United States  
Taniguchi, Tatsuya, Hyogo, Japan  
Collias, Dimitris I., Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5635469 19970603  
AI US 1996-729523 19961010 (8)  
RLI Continuation of Ser. No. US 1996-602387, filed on 16 Feb 1996, now abandoned which is a continuation of Ser. No. US 1995-438457, filed on 10 May 1995, now abandoned which is a continuation of Ser. No. US 1993-75210, filed on 10 Jun 1993, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Caldarola, Glenn A.; Assistant Examiner: Wood, Elizabeth D.  
LREP Sabatelli, Anthony D., Dabbieri, David K.  
CLMN Number of Claims: 35  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Figure(s); 6 Drawing Page(s)  
LN.CNT 2449  
AB The present invention relates to foam producing products useful for personal cleansing. These products comprise a foamable liquid **composition** and a foam-producing foam dispenser. These products provide a stable homogeneous foam and good lathering and cleansing characteristics. These products are very mild to the skin and are useful for moisturizing the skin and for delivering a wide variety of active ingredients to the skin.

L7 ANSWER 31 OF 37 USPATFULL  
AN 97:44767 USPATFULL  
TI **Personal care compositions** containing  
hydrophobic graft copolymer and hydrophobic, volatile solvent  
IN Midha, Sanjeev, Blue Ash, OH, United States  
Bolich, Jr., Raymond E., Maineville, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5632998 19970527  
AI US 1996-616847 19960315 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon  
LREP Henderson, Loretta J., Howell, John M., Suter, David L.  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to **personal care compositions**, especially hair care **compositions**, containing non-silicone, hydrophobic graft copolymers and a hydrophobic, volatile solvent for the copolymer, the solvent being selected from branched chain hydrocarbons, silicones and combinations thereof. This invention also relates to hair conditioners and hair styling products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

The graft polymers should satisfy the following three criteria:

(1) the graft portion is covalently bonded to the polymeric backbone portion;

(2) the molecular weight of the graft portion is at least about 500; and

(3) when used in a **composition**, such as a **personal care composition** for application to the hair or skin, the polymeric backbone portion should permit the graft polymer to deposit on the intended surface, such as hair or skin.

Preferred copolymers, when dried, phase-separate into a microphase which includes the graft portion and a microphase which includes the polymeric backbone portion.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 32 OF 37 USPATFULL

AN 96:96772 USPATFULL

TI Topical **personal care composition** containing polysiloxane-grafted **adhesive** polymer and drying aid

IN Hughes, Kendrick J., Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 5567428 19961022

AI US 1995-566599 19951204 (8)

RLI Continuation of Ser. No. US 1995-405415, filed on 15 Mar 1995, now abandoned which is a continuation of Ser. No. US 1993-113570, filed on 27 Aug 1993, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Nutter, Nathan M.

LREP Lewis, Leonard W., Sabatelli, Anthony D., Dabbieri, David K.

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2149

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a topical **personal care composition**, having improved drying time, said **composition** comprising: (a) a polysiloxane-grafted **adhesive** polymer; (b) a volatile, water insoluble solvent for said polysiloxane-grafted polymer; (c) a nonvolatile drying aid for said polysiloxane-grafted polymer which is soluble in said volatile solvent (b) at 45.degree. C. and is water insoluble at 25.degree. C., and is selected from the group consisting of silicone fluids and waxes having from 1 to about 100 siloxy units, silanes, and silicone resins and mixtures thereof; wherein the weight ratio of said polysiloxane-grafted polymer (a) to said drying aid (c) is about 100:1 or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 33 OF 37 USPATFULL  
AN 90:44262 USPATFULL  
TI Low viscosity stable non-aqueous suspension containing organophilic clay and low density filler  
IN Cao, Hoai-Chau, Liege, Belgium  
Houben, Marie-Christine, Alleur, Belgium  
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)  
PI US 4931195 19900605  
AI US 1989-324996 19890317 (7)  
RLI Continuation of Ser. No. US 1987-102926, filed on 30 Sep 1987, now abandoned which is a continuation-in-part of Ser. No. US 1987-73551, filed on 15 Jul 1987, now patented, Pat. No. US 4828723  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Albrecht, Dennis; Assistant Examiner: Silbermann, James M.  
LREP Blumenkopf, N., Sullivan, R. C., Grill, M. M.  
CLMN Number of Claims: 25  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lecithin or certain other phosphate esters are added to a non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant containing small amounts of low density filler, such as hollow plastic or glass microspheres to provide stabilization against phase separation and further containing a small amount of organophilic modified clay, such as a water-swellaible smectite clay, in which the metal cations are totally or partially exchanged with mono- or di-long chain quaternary **ammonium** compound to provide a viscoelastic network structure. The lecithin reduces plastic viscosity and helps maintain the viscoelastic network structure over extended periods of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 34 OF 37 USPATFULL  
AN 89:36393 USPATFULL  
TI Stable non-aqueous suspension containing organophilic clay and low density filler  
IN Cao, Hoai-Chau, Liege, Belgium  
Houben, Marie-Christine, Alleur, Belgium  
Julemont, Michel, Heusy, Belgium  
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)  
PI US 4828723 19890509  
AI US 1987-73551 19870715 (7)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Willis, Prince E.; Assistant Examiner: Krasnow, Ronald A.  
LREP Grill, M. M., Blumenkopf, N.  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1439

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant is stabilized against phase separation by the addition of small amounts of low density filler, such as hollow plastic or glass

microspheres. The low density particulate filler is added in an amount to equalize the densities of the continuous liquid phase and the dispersed phase. Further stabilization against phase separation under strong vibration conditions is provided by addition of a small amount of organophilic modified clay, such as a water-swellable smectite clay in which the metal cations are total or partially exchanged with mono- or di-long chain quaternary ammonium compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 35 OF 37 USPATFULL  
AN 87:32073 USPATFULL  
TI Hydrophobe substituted, water-soluble cationic polysaccharides  
IN Brode, II, George L., Bridgewater, NJ, United States  
Kreeger, Russell L., Somerville, NJ, United States  
Goddard, Errol D., Haworth, NJ, United States  
Merritt, II, Frederick M., Belle Mead, NJ, United States  
Braun, David B., Ridgefield, CT, United States  
PA Union Carbide Corporation, Danbury, CT, United States (U.S. corporation)  
PI US 4663159 19870505  
AI US 1985-697241 19850201 (6)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Peselev, Elli  
LREP Gibson, Henry H.  
CLMN Number of Claims: 39  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1850

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble, cationic polysaccharides, including quaternary nitrogen-containing cellulose ethers, containing hydrophobic substitution, are substantially water-soluble; provide aqueous solutions having enhanced viscosity, foaming and preferably improved surface properties; and possess utility in **personal care**, emulsions and cleansers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 36 OF 37 USPAT2  
AN 2002:344625 USPAT2  
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium  
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF  
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF  
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE  
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF  
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)  
PI US 6541564 B2 20030401  
AI US 2002-127508 20020423 (10)  
PRAI DE 2001-125138 20010522  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Acquah, Samuel A.  
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.  
CLMN Number of Claims: 16  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 1757

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out

in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 37 OF 37 USPAT2  
AN 2002:78790 USPAT2  
TI Thickener-rheology modifier system for **personal care compositions**  
IN Sorrentino, Paul M., Monmouth Jct., NJ, United States  
Cottrell, Ian W., Princeton, NJ, United States  
Pluyer, Johan G. L., East Millstone, NJ, United States  
Babenko, Tamara, Bridgewater, NJ, United States  
PA National Starch and Chemical Investment Holding Corporation, New Castle, DE, United States (U.S. corporation)  
PI US 6447803 B2 20020910  
AI US 1998-134221 19980814 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Webman, Edward J.  
LREP Kaiser, Esq., Karen G.  
CLMN Number of Claims: 8  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 429

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A selected thickener-rheology modifier system comprising the combination of a hydrophobically, modified alkali-soluble thickener and a polysaccharide hydrocolloid or gum or polyalkylene glycol, preferably with a surfactant and more preferably with boric acid is especially useful in **personal care compositions** such as hair care and skin care **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 15:58:00 ON 22 APR 2003)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPINDEX, WTEXTILES' ENTERED AT 15:58:13 ON 22 APR 2003

L1 4605420 S COMPOSITION  
L2 153272 S L1 AND STARCH  
L3 469 S L2 AND (CATIONI? (W)MODIF?)  
L4 0 S L3 AND (DEGREE (W) SUBSTITUTION)  
L5 332 S L3 AND (ALKONIUM OR AMMONIUM)  
L6 72 S L5 AND (BENZALKONIUM OR CETYL)  
L7 37 S L6 AND (PERSONAL (W) CARE OR ADHESIVE OR FLOCCULENT OR CAGU

=> dis l6 1-72 bib abs

L6 ANSWER 1 OF 72 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:667819 CAPLUS  
DN 131:276766  
TI Sprayable cosmetic **composition**  
IN Eicken, Ulrich; Jungo, Sybille  
PA Wella A.-G., Germany  
SO Ger. Offen., 6 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19815461	A1	19991014	DE 1998-19815461	19980407
PRAI	DE 1998-19815461		19980407		
AB	<p>A hair-conditioning emulsion with a low viscosity which can be applied as a spray or foam comprises .gtoreq.1 <b>cationically modified</b> biopolymer, .gtoreq.1 cationic surfactant, and .gtoreq.1 C6-30 fatty alc., where the surfactant:fatty alc. ratio is &lt;3.5. The emulsion is stable despite its low viscosity, and does not produce any sediment or deposit which could clog valves or pump mechanisms. It can be distributed evenly over the hair, providing an excellent conditioning action. Suitable <b>cationically modified</b> biopolymers include protein hydrolyzates and derivs. of cellulose, <b>starch</b>, guar gum, and chitin. Thus, a hair spray conditioner contained Lanette 16 (<b>cetyl</b> alc.) 1.0, CTAC (cetrimonium chloride) 0.5, Lamequat L (lauryldimonium hydroxypropyl hydrolyzed collagen) 0.25, glycolic acid 0.01, Dow Corning 345 Fluid (cyclomethicone) 2.0, panthenol 0.05, 94.7% EtOH 10.0, perfume 0.2, and demineralized water to 100%.</p>				
RE.CNT	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD			
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			
L6	ANSWER 2 OF 72 IFIPAT COPYRIGHT 2003 IFI				
AN	3427593 IFIPAT;IFIUDB;IFICDB				
TI	MATRIX <b>COMPOSITION</b> COMPRISING SURFACTANT AND MATRIX USEFUL FOR TARGETED DELIVERY ARTICLES				
INF	<p>Guenin; Eric P., Trenton, NJ          McDermott; Keith J., Bridgewater, NJ          Shefer; Adi, East Brunswick, NJ          Shefer; Shmuel David, East Brunswick, NJ          Smith; Leslie C., Jamesburg, NJ          Teffenhart; John M., Edison, NJ          Trotzinka; Karen A., Wayside, NJ</p>				
IN	<p>Guenin Eric P; McDermott Keith J; Shefer Adi; Shefer Shmuel David; Smith Leslie C; Teffenhart John M; Trotzinka Karen A</p>				
PAF	International Flavors & Fragrances Inc., New York, NY				
PA	International Flavors & Fragrances Inc (42760)				
EXNAM	Boykin, Terressa M				
AG	Liberman, Arthur L.				
PI	US 6156826		20001205		
AI	US 1998-208461		19981210		
XPD	18 Sep 2017				
RLI	US 1997-933599		19970918	CONTINUATION-IN-PART	6042792
FI	US 6156826		20001205		
	US 6042792				
DT	UTILITY				
FS	CHEMICAL				
	GRANTED				
OS	CA 134:21329				
MRN	009641	MFN:	0125		
CLMN	2				
GI	49 Drawing Sheet(s), 66 Figure(s).				
AB	<p>Described are controlled, time-release microparticulate active and bioactive <b>compositions</b> (including perfuming <b>compositions</b>) for targeted delivery to surfaces such as skin, hair and fabric and the environment proximate thereto, where the active and bioactive materials have a calculated log<sub>10</sub> P values of between 1 and 8 (P being the n-octanol-water partition coefficient). Such <b>compositions</b> include the active or bioactive material in single phase, solid solution in a wax or polymer matrix also having coated thereon and/or containing a compatible surfactant. Also described are processes and apparatus for preparing such <b>compositions</b> and processes for using same. Furthermore, certain component(s) of the aforementioned <b>compositions</b> in combination with one another are novel, and other components have novel uses in increasing fragrance</p>				



substantivity, particularly in hair care preparations such as hair gels and shampoos.

CLMN 2

GI 49 Drawing Sheet(s), 66 Figure(s).

L6 ANSWER 3 OF 72 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467782 PROMT

TI Chemical tradenames. (Q-Z).(list of chemical companies throughout the world with contact data)(Industry Overview)(Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 497(9).  
ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 12518

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB QDO DBQDO: Vulcanizing agents -- Lord Corporation, Chemical Product Division

THIS IS THE FULL TEXT: COPYRIGHT 2002 Chemical Week Associates

Subscription: \$99.00 per year. Published weekly. P.O. Box 7721, Riverton, NJ 08077-9021.

L6 ANSWER 4 OF 72 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467781 PROMT

TI Chemical tradenames. (F-P).(list of chemical companies throughout the world with contact data)(Industry Overview)(Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 486(12).  
ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 18020

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB F-1000, 2000, 2100, 2200, 2300, 3600, 4400: Aluminum hydroxide dried gel -- Reheis Inc

THIS IS THE FULL TEXT: COPYRIGHT 2002 Chemical Week Associates

Subscription: \$99.00 per year. Published weekly. P.O. Box 7721, Riverton, NJ 08077-9021.

L6 ANSWER 5 OF 72 USPATFULL

AN 2003:99246 USPATFULL

TI Thickeners-rheology modifier system for personal care compositions

IN Sorrentino, Paul M., Monmouth Jct., NJ, UNITED STATES

Cottrell, Ian W., Princeton, NJ, UNITED STATES

Pluyer, Johan G.L., East Millstone, NJ, UNITED STATES

Babenko, Tamara, Bridgewater, NJ, UNITED STATES

PI US 2003068350 A1 20030410

AI US 2002-195677 A1 20020712 (10)

RLI Division of Ser. No. US 1998-134221, filed on 14 Aug 1998, GRANTED, Pat. No. US 6447803

DT Utility

FS APPLICATION

LREP Karen G. Kaiser, Intellectual Property, NATIONAL STARCH AND CHEMICAL COMPANY, P. O. Box 6500, Bridgewater, NJ, 08807-0500

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 554

AB A thickener-rheology modifier system for use in hair care and skin care

compositions comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener comprising an aqueous emulsion copolymer of:

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R.sup.1 is H, C.sub.1-C.sub.4 alkyl, or --CH.sub.2COOX; R is --COOX and R.sup.1 is H or --CH.sub.2COOX; and R is CH.sub.3 and R.sup.1 is H, C.sub.1-C.sub.4 alkyl or --CH.sub.2COOX; and X is H or C.sub.1-C.sub.4 alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH.sub.2.dbd.CYZ

where Y is H or CH.sub.3 and Z is ##STR2##

where R is C.sub.1 to C.sub.4 alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH.sub.3 and R'' is H, CH.sub.3, --COOH or --CH.sub.2COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

L6 ANSWER 6 OF 72 USPATFULL

AN 2003:99188 USPATFULL

TI Pearlescent hair care compositions

IN Pfaffernoschke, Matthias, Aaberg, SWITZERLAND

Jungo, Sybille, Ursen, SWITZERLAND

PI US 2003068292 A1 20030410

AI US 2002-253291 A1 20020924 (10)

PRAI DE 2001-147501 20010926

DT Utility

FS APPLICATION

LREP STRIKER, STRIKER & STENBY, 103 East Neck Road, Huntington, NY, 11743

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 841

AB The hair treatment composition, which is in the form a pearlescent product, contains a nonionic, amphiphilic associative thickener consisting of at least one hydrophobically modified aminoplast/polyether copolymer; a hair care active ingredient selected from the group consisting of cationic surfactants, zwitterionic surfactants, cationic polymers, cationic silicone compounds, amine-substituted silicone compounds, cationic derivatized proteins, cationic derivatized protein hydrolyzates and betaines; and a pearlescence or turbidity-inducing agent selected from the group

consisting of fatty acid alkanol amides, fatty acid glyceryl esters, guanine, glycol fatty acid diesters, styrene/acrylate copolymers, polyethylene glycol fatty acid diesters, styrene/vinyl pyrrolidone copolymers and poly(trimethylammonium ethylmethacrylate chloride); in an aqueous cosmetic base. The **composition** is usable as a leave-in hair care **composition** or a hair rinse, which conditions the hair and imparts luster and volume to the hair.

L6 ANSWER 7 OF 72 USPATFULL  
AN 2003:89146 USPATFULL  
TI Use of finely divided dye-containing polymers PD as color-imparting constituent in cosmetic **compositions**  
IN Medelnick, Monika, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF  
Pfrommer, Ellen, Hassloch, GERMANY, FEDERAL REPUBLIC OF  
Clemens, Thorsten, Hochdorf-Assenheim, GERMANY, FEDERAL REPUBLIC OF  
Erk, Peter, Frankenthal, GERMANY, FEDERAL REPUBLIC OF  
Bohm, Arno, Mannheim, GERMANY, FEDERAL REPUBLIC OF  
Kielhorn-Bayer, Sabine, Maxdorf, GERMANY, FEDERAL REPUBLIC OF  
Witteler, Helmut, Beindersheim, GERMANY, FEDERAL REPUBLIC OF  
Dausch, Wilma M., Limburgerhof, GERMANY, FEDERAL REPUBLIC OF  
Westenfelder, Horst, Neustadt, GERMANY, FEDERAL REPUBLIC OF  
Wunsch, Thomas, Speyer, GERMANY, FEDERAL REPUBLIC OF  
Mathauer, Klemens, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF  
Habeck, Thorsten, Meckenheim, GERMANY, FEDERAL REPUBLIC OF  
Ikeda, Takahiro, Yokkaichi, JAPAN  
Ichihara, Hideyuki, Kanagawa, JAPAN  
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF  
(non-U.S. corporation)  
PI US 6541032 B1 20030401  
AI US 2000-677864 20001003 (9)  
PRAI DE 1999-19949382 19991013  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ware, Todd D  
LREP Keil & Weinkauff  
CLMN Number of Claims: 8  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 2012  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention describes the use of finely divided dye-containing polymers PD in the form of an aqueous polymer dispersion or a polymer powder obtainable therefrom, the polymer matrix of which comprises at least one organic dye D in homogeneously dispersed form, as color-imparting constituent in cosmetic **compositions**. The present invention also describes cosmetic **compositions** which comprise a color-containing polymer in an amount of from 0.1 to 50% by weight, based on the total weight of the cosmetic **composition**, and additives customary for cosmetic **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 72 USPATFULL  
AN 2003:89008 USPATFULL  
TI Stable alkaline hair bleaching **compositions** and method for use thereof  
IN Dias, Louis Carlos, Virginia Water, UNITED KINGDOM  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6540791 B1 20030401  
AI US 2000-537451 20000327 (9)  
DT Utility  
FS GRANTED

EXNAM Primary Examiner: Gupta, Yogendra N.; Assistant Examiner: Hamlin, D G  
LREP Paul, Andrew A., Rosnell, Tara M., Miller, Steven W.  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 2766

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An alkaline hair bleaching **composition** comprising (a) from about 0.01% to about 12%, by weight, of at least one oxidizing agent; (b) from about 0.2% to about 20%, by weight, of a buffering system, present in an amount sufficient to generate a pH of the **composition** in the range from about 5 to about 11, wherein said buffering system comprises at least one pH modifying ingredient selected from the group consisting of (i) borates buffers, (ii) alkalizing agents, and mixtures thereof; (c) from about 150 ppm to about 5,000 ppm of at least one stabilizer; and (d) from about 0.01% to about 50%, by weight, of at least one hair care ingredient selected from the group consisting of (i) surfactants, (ii) catalysts, (iii) thickeners, (iv) conditioners, and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 72 USPATFULL  
AN 2003:71129 USPATFULL  
TI Recording medium, method of manufacturing the same and image forming method  
IN Ichinose, Hirofumi, Kawasaki-shi, JAPAN  
PI US 2003049414 A1 20030313  
AI US 2000-742325 A1 20001222 (9)  
PRAI JP 1999-370098 19991227  
DT Utility  
FS APPLICATION  
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112  
CLMN Number of Claims: 19  
ECL Exemplary Claim: 1  
DRWN 4 Drawing Page(s)  
LN.CNT 1139

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recording medium comprises a base member mainly made of pulp fibers and an ink receiving layer formed thereon containing an inorganic pigment and a binder. The recording medium shows a pore radius distribution having a peak attributable to pores in the base member and a peak attributable to pores in the ink receiving layer. The peak attributable to pores in the ink receiving layer is located between 8 and 50 nm. The ink receiving layer is formed on the base member by applying a coating formulation containing at least an inorganic pigment and a resin emulsion to the base member at a coating rate between 1 and 10 g/m.<sup>sup.2</sup> so that the inorganic pigment and the resin emulsion become weakly agglomerate. The recording medium can be suitably used with an ink-jet recording system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 72 USPATFULL  
AN 2003:59936 USPATFULL  
TI Clear hair treatment **composition**  
IN Schmenger, Juergen, Weiterstadt, GERMANY, FEDERAL REPUBLIC OF  
Abels, Wilhelm, Simi Valley, CA, United States  
Jahedshoar, Mehrdad, Calabasas, CA, United States  
PA Wella AG, Darmstadt, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)  
PI US 6528046 B1 20030304  
AI US 2000-691761 20001018 (9)  
PRAI US 1999-160967P 19991022 (60)

DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Sheikh, Humera N.  
LREP Striker, Michael J.  
CLMN Number of Claims: 9  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 642

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A hair-treating agent is described which is preferably in the form of an optically clear, transparent or translucent product and which contains (A) at least one hair-care silicone compound having at least one hydrophilic group, (B) at least one nonionic, amphiphilic associative thickener containing at least one hydrophilic group and optionally (C) at least one hair-care substance having at least one cationic group, in a cosmetically appropriate base. The agent is used as a leave-in hair treatment or as a hair rinse, thus conditioning the hair and conferring to it gloss and volume.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 72 USPTFULL  
AN 2003:9367 USPTFULL  
TI Ink set, process for forming colored portion and ink-jet recording apparatus  
IN Takahashi, Katsuhiko, Kanagawa, JAPAN  
Tochihara, Shinichi, Kanagawa, JAPAN  
Kurabayashi, Yutaka, Tokyo, JAPAN  
Tomioka, Hiroshi, Tokyo, JAPAN  
Ogasawara, Masashi, Tokyo, JAPAN  
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)  
PI US 2003007051 A1 20030109  
AI US 2002-137377 A1 20020503 (10)  
PRAI JP 2001-1404652001 20010510  
DT Utility  
FS APPLICATION  
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN 12 Drawing Page(s)  
LN.CNT 2781

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides an ink set, a process for forming a colored portion and an ink-jet recording apparatus which are used for obtaining higher-quality ink-jet recorded articles. The ink set comprises an aqueous ink containing at least an ultrafinely particulate pigment as a coloring material and an aqueous liquid **composition** containing fine particles, dispersed therein and electrically charged at the surface in a polarity opposite to the ink.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 72 USPTFULL  
AN 2002:344625 USPTFULL  
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium  
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF  
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF  
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE  
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF  
PA BASF Akiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

PI US 2002198359 A1 20021226  
 US 6541564 B2 20030401  
 AI US 2002-127508 A1 20020423 (10)  
 PRAI DE 2001-125138 20010522  
 DT Utility  
 FS APPLICATION  
 LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755  
 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202  
 CLMN Number of Claims: 16  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 1768  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB In a process for the metal-catalyzed preparation of copolymers of carbon  
 monoxide and an olefinically unsaturated compound having from 2 to 20  
 carbon atoms in an aqueous medium, the copolymerization is carried out  
 in the presence of a water-soluble macromolecular host compound which  
 has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 72 USPATFULL  
 AN 2002:343490 USPATFULL  
 TI **Composition** for a hair treatment preparation in the form of an  
 aerosol foam  
 IN Schmenger, Juergen, Weiterstadt, GERMANY, FEDERAL REPUBLIC OF  
 Abels, Wilhelm, Simi Valley, CA, UNITED STATES  
 Jahedshoar, Mehrdad, Calabasas, CA, UNITED STATES  
 PI US 2002197213 A1 20021226  
 AI US 2002-937228 A1 20020128 (9)  
 WO 2001-EP32 20010104  
 PRAI DE 2000-100025137 20000121  
 DT Utility  
 FS APPLICATION  
 LREP Striker Striker & Stenby, 103 East Neck Road, Huntington, NY, 11743  
 CLMN Number of Claims: 16  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 694  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB Described is a **composition** for a hair-treatment preparation  
 which is preferably in the form of an optically clear, transparent or  
 translucent product that can be used as an aerosol foam and contains (A)  
 at least one nonionic, amphiphilic associative thickener in an  
 appropriate cosmetic carrier and (B) at least one propellant. The  
 preparation can be used as a leave-in hair treatment or as a hair rinse  
 which condition the hair and confers to it luster and volume.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 72 USPATFULL  
 AN 2002:322216 USPATFULL  
 TI Ink-jet recording material  
 IN Nagashima, Takeshi, Chiyoda-ku, JAPAN  
 Kaneko, Satoshi, Chiyoda-ku, JAPAN  
 PI US 2002182380 A1 20021205  
 AI US 2002-73213 A1 20020213 (10)  
 PRAI JP 2001-40744 20010216  
 DT Utility  
 FS APPLICATION  
 LREP MANELLI DENISON & SELTER, 2000 M STREET NW SUITE 700, WASHINGTON, DC,  
 20036-3307  
 CLMN Number of Claims: 11  
 ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1042

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is disclosed an ink-jet recording material which comprises a light transmitting support, at least one ink-receptive layer provided on one surface of the support and at least one back-coating layer provided on the opposite surface of the support, wherein at least one of the back-coating layers contains inorganic fine particles having an average particle size of a primary particle of 5 to 50 nm and a binder, and a void ratio of the layer is 70% by volume or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 72 USPATFULL

AN 2002:238635 USPATFULL

TI Anti-dandruff and conditioning shampoos containing polyalkylene glycols and cationic polymers

IN Dunlop, David Scott, Mason, OH, United States  
Guskey, Susan Marie, Montgomery, OH, United States  
Leyba, Vicente Eduardo, Los Ruices, VENEZUELA  
Royce, Douglas Allan, Aurora, IN, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 6451300 B1 20020917

AI US 2000-558447 20000425 (9)

PRAI US 1999-132869P 19990503 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, S.

LREP Peebles, Brent M., Paul, Andrew A., Rosnell, Tara M.

CLMN Number of Claims: 25

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 1991

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior combination of anti-dandruff efficacy and conditioning, and a method of cleansing and conditioning the hair comprising applying to the hair and scalp an effective amount of said **compositions**. The anti-dandruff and conditioning shampoos comprise: (A) from about 5% to about 50%, by weight of the **composition**, of an anionic surfactant; (B) from about 0.01% to about 10%, by weight of the **composition**, of a non-volatile conditioning agent; (C) from about 0.1% to about 4%, by weight of the **composition**, of an anti-dandruff particulate; (D) from about 0.02% to about 5%, by weight of the **composition**, of at least one cationic polymer; (E) from 0.005% to about 1.5%, by weight of the **composition**, of a polyalkylene glycol corresponding to the formula:  $H(OCH_2CH_2)_nOH$ , (i) wherein R is selected from the group consisting of hydrogen, methyl and mixtures thereof, (ii) wherein n is an integer having an average value from about 1,500 to about 120,000; and (F) water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 72 USPATFULL

AN 2002:221039 USPATFULL

TI **Compositions** useful for regulating hair growth containing metal complexes of oxidized carbohydrates

IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES  
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES  
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES

PI US 2002119174 A1 20020829

AI US 2001-909440 A1 20010719 (9)

PRAI US 2000-220756P 20000726 (60)  
DT Utility  
FS APPLICATION  
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, SHARON WOODS TECHNICAL  
CENTER, 11511 REED HARTMAN HIGHWAY, CINCINNATI, OH, 45241  
CLMN Number of Claims: 50  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3342

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable cosmetic, dermatological, or pharmaceutical **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate; wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate nor lithium gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle, wherein the vehicle comprises at least about 5%, by weight of the **composition**, of propylene glycol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 72 USPATFULL  
AN 2002:191165 USPATFULL  
TI Shampoos providing a superior combination anti-dandruff efficacy and condition  
IN Dunlop, David Scott, Mason, OH, UNITED STATES  
Boyd, Roberta Atwood, Cincinnati, OH, UNITED STATES  
Guskey, Susan Marie, Montgomery, OH, UNITED STATES  
Schwartz, James Roberts, Cincinnati, OH, UNITED STATES  
Marchetta, Anthony Raymond, Mason, OH, UNITED STATES  
PI US 2002102228 A1 20020801  
AI US 2000-558465 A1 20000425 (9)  
PRAI US 1999-132867P 19990503 (60)  
DT Utility  
FS APPLICATION  
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL  
CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2634

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior combination of anti-dandruff efficacy and conditioning, and a method of cleansing and conditioning the hair comprising applying to the hair and scalp an amount of said **compositions**. The anti-dandruff and conditioning shampoos comprise: (A) from about 5% to about 50%, by weight, of an anionic surfactant; (B) from about 0.01% to about 10%, by weight, of a non-volatile conditioning agent; (C) from about 0.1% to about 4%, by weight, of an anti-dandruff agent; (D) from about 0.02% to about 5%, by weight, of at least one cationic polymer; and (E) water. The **compositions** (A) have a bioavailability/coverage index value, as defined herein, of at least about 1.25; (B) have a first conditioning index value, as defined herein, of less than or equal to about 1.0; (C) have a second conditioning index value, as defined herein, of at least about 1.5; and (D) have a minimal inhibitory concentration index value, as defined herein, of at least about 0.125.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 72 USPATFULL  
AN 2002:152610 USPATFULL  
TI Fabric conditioning concentrate  
IN Jones, Craig Warren, Wirral, UNITED KINGDOM  
Mohammadi, Mansur Sultan, Wirral, UNITED KINGDOM



PA Unilever Home & Personal Care USA, division of Conopco, Inc., Greenwich,  
CT, United States (U.S. corporation)  
PI US 6410501 B1 20020625  
AI US 2000-625761 20000726 (9)  
PRAI GB 1999-17537 19990726  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Hardee, John  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 887

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A fabric conditioner concentrate is produced comprising a liquid or soft solid derivative of cyclic polyol or a reduced saccharide resulting from 35 to 100% of the hydroxyl groups in the cyclic polyol or reduced saccharide being esterified or etherified, the derivative having at least two or more ether groups independently attached to a C.sub.8-C.sub.22 alkyl or alkenyl chain or mixtures thereof, containing at least 35% tri- or higher esters, an emulsifying agent, a deposition aid and less than 30% by weight water. The nonionic fabric softening component dissolves the deposition aid, which, if it is a cationic deposition aid, can also act as an emulsifying agent, allowing the **composition** to emulsify easily on mixing with water. Fabric conditioning concentrates according to the present invention maybe in the form of clear isotropic **compositions** or clear water-in-oil micro-emulsions. The deposition aid allows the nonionic fabric softening component to deposit onto fabric from the emulsion during a rinse step.

Emulsions produced by the present invention give excellent softening and perfume delivery.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 72 USPATFULL  
AN 2002:149109 USPATFULL  
TI Laundry articles and methods for care of fabrics or combined cleaning and care of fabrics  
IN Buzzacarini, Francesco de, Breendonk, BELGIUM  
Maria Depoot, Karel Jozef, Waregem, BELGIUM  
Parry, Diane, Cincinnati, OH, UNITED STATES  
Laurent, James Charles Burckett St., Lasne, BELGIUM  
PI US 2002077265 A1 20020620  
AI US 2001-949954 A1 20010910 (9)  
PRAI US 2001-278126P 20010323 (60)  
US 2000-231901P 20000911 (60)  
DT Utility  
FS APPLICATION  
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2055  
AB Laundry articles for care of fabrics or combined cleaning and care of fabrics and methods of use of such articles. Multi-compartment containers combined with selected fabric laundering **compositions** that comprise selected care agents in different compartments or a selected cleaning agent in one compartment and a selected care agent in another compartment. On combining the **compositions** from the multi-compartment containers, preferred articles provide heavy duty liquid laundry detergents having fabric care benefits.

L6 ANSWER 20 OF 72 USPATFULL  
 AN 2002:140041 USPATFULL  
 TI Ink-jet recording material and use of the same  
 IN Tachikawa, Masashi, Tokyo, JAPAN  
 Kaneko, Satoshi, Tokyo, JAPAN  
 PI US 2002071018 A1 20020613  
 AI US 2001-867590 A1 20010531 (9)  
 PRAI JP 2000-168668 20000606  
 JP 2000-223303 20000725  
 DT Utility  
 FS APPLICATION  
 LREP MANELLI DENISON & SELTER, 2000 M STREET NW SUITE 700, WASHINGTON, DC,  
 20036-3307  
 CLMN Number of Claims: 14  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 1262  
 AB There are disclosed an ink-jet recording material for back lit use  
 having a light transmitting support and an ink-receptive layer provided  
 on the support, wherein the ink-receptive layer comprises a hydrophilic  
 polymer and an inorganic pigment having an average particle diameter of  
 0.5 to 10 .mu.m, or it comprises an inorganic fine particles having an  
 average primary particle diameter of 3 to 50 nm and an average secondary  
 particle diameter of less than 0.5 .mu.m, a hydrophilic polymer and an  
 inorganic pigment having an average particle diameter of 0.5 to 10  
 .mu.m, and a Haze value of the ink receptive layer defined by JIS-K-7105  
 is 25% or less and an image clarity C value of a surface of the ink  
 receptive layer defined by JIS-H-8686 is 85% or less, and relates to a  
 use thereof, preferably, a contact angle of a surface of the ink-jet  
 recording material for a back lit use with water is 13 to 35.degree.  
 while one with linseed oil is 8 to 20.degree..

L6 ANSWER 21 OF 72 USPATFULL  
 AN 2002:135890 USPATFULL  
 TI Recording medium, production process of the recording medium, and image  
 forming process using the recording medium  
 IN Ichinose, Hirofumi, Tokyo, JAPAN  
 PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)  
 PI US 6402316 B1 20020611  
 AI US 1999-471226 19991223 (9)  
 PRAI JP 1998-373139 19981228  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Le, N.; Assistant Examiner: Feggins, K.  
 LREP Fitzpatrick, Cella, Harper & Scinto  
 CLMN Number of Claims: 16  
 ECL Exemplary Claim: 1  
 DRWN 12 Drawing Figure(s); 4 Drawing Page(s)  
 LN.CNT 1056

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recording medium for use in ink-jet recording. The recording medium  
 has a substrate and at least one porous resin layer formed on the  
 substrate. The porous resin layer comprises heteromorphic microspheres  
 formed of a thermoplastic resin. The invention also encompasses a  
 process for producing a recording medium having at least one porous  
 resin layer on a substrate. The process includes the steps of applying  
 to the substrate a coating formulation comprising polymer colloid in  
 which heteromorphic microspheres are dispersed, and drying the coating  
 formulation at a temperature lower than the lowest film-forming  
 temperature of the heteromorphic microspheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 22 OF 72 USPATFULL  
AN 2002:129508 USPATFULL  
TI Liquid sunscreen **compositions** which both deposit and lather well  
IN Morgan, Leslie Jo, Chatham, NJ, United States  
Puvvada, Sudhakar, Shelton, CT, United States  
Tsaur, Liang Sheng, Norwood, NJ, United States  
Aronson, Michael Paul, West Nyack, NY, United States  
Lam, Andrew, Yorktown Heights, NY, United States  
Shen, Shiji, Norwood, NJ, United States  
Macaulay, Ernest Weatherley, Morris Township, NJ, United States  
PA Unilever Home & Personal Care USA a division of Conopco, Inc.,  
Greenwich, CT, United States (U.S. corporation)  
PI US 6399045 B1 20020604  
AI US 2000-523131 20000310 (9)  
RLI Continuation-in-part of Ser. No. US 1999-298580, filed on 23 Apr 1999,  
now patented, Pat. No. US 6224852  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Dees, Jose G.; Assistant Examiner: Lamm, Marina  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 17  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 934  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention teaches liquid sunscreen **compositions** in  
which level of surfactant is higher than level at which the sunscreen  
component(s) are still soluble in the surfactant in which they are used;  
and which comprise minimal levels of cationic polymer. Combination of  
cationic polymer (especially preferred surfactants and at minimum  
levels) and minimal levels of sunscreen lead to **compositions**  
with minimal levels of deposition and minimal SPF. Further, the  
**compositions** also maintain good lather.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 23 OF 72 USPATFULL  
AN 2002:105790 USPATFULL  
TI IMAGE-TRANSFER MEDIUM FOR INK-JET PRINTING, TRANSFER PRINTING PROCESS  
USING THE SAME, AND TRANSFER PRINTING CLOTH  
IN SATO, YUKO, KAWASAKI-SHI, JAPAN  
SAKAKI, MAMORU, YAMATO-SHI, JAPAN  
KATAYAMA, MASATO, YOKOHAMA-SHI, JAPAN  
HIGUMA, MASAHIKO, TOGANE-SHI, JAPAN  
KUDO, MIFUNE, KAWASAKI-SHI, JAPAN  
MORIYA, KENICHI, URAYASU-SHI, JAPAN  
PI US 2002054992 A1 20020509  
US 6495241 B2 20021217  
AI US 1997-845439 A1 19970425 (8)  
PRAI JP 1996-130571 19960430  
JP 1996-221883 19960806  
DT Utility  
FS APPLICATION  
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY,  
10112  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN 3 Drawing Page(s)  
LN.CNT 2146  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Disclosed herein is an image-transfer medium for ink-jet printing,  
comprising a releasing layer and a transfer layer containing fine  
particles of a thermoplastic resins and a polymeric binder, provided on

a base material, wherein the polymeric binder is a thermoplastic resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 24 OF 72 USPATFULL  
AN 2002:102037 USPATFULL  
TI Volume-imparting hair treatment **compositions**  
IN Ledé, Michael, Langen, GERMANY, FEDERAL REPUBLIC OF  
Birkel, Susanne, Glashuetten, GERMANY, FEDERAL REPUBLIC OF  
Franzke, Michael, Rossdorf, GERMANY, FEDERAL REPUBLIC OF  
Henze, Hildegard, Darmstadt, GERMANY, FEDERAL REPUBLIC OF  
PA Wella Aktiengesellschaft, Darmstadt, GERMANY, FEDERAL REPUBLIC OF  
(non-U.S. corporation)  
PI US 6383477 B1 20020507  
AI US 2000-629954 20000801 (9)  
PRAI DE 1999-19937386 19990807  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Kishore, Gollamudi S.; Assistant Examiner: Seidleck,  
Brian K.  
LREP Striker, Michael J.  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 746

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The hair treatment **compositions** for imparting volume to hair  
each contain from 0.1 to 20 percent by weight of one or more terpolymers  
of vinyl pyrrolidone, vinyl caprolactam and a basic acryl amide monomer  
and from 0.05 to 10 percent by weight of one or more cation-active  
hair-care substance. The **composition** provides a long-lasting  
volumizing effect to hair treated with it. It is especially effective on  
damaged hair and provides good combability without loading the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 25 OF 72 USPATFULL  
AN 2002:78790 USPATFULL  
TI THICKENER-RHEOLOGY MODIFIER SYSTEM FOR PERSONAL CARE  
**COMPOSITIONS**  
IN SORRENTINO, PAUL M., MONMOUTH JCT., NJ, UNITED STATES  
COTTRELL, IAN W., PRINCETON, NJ, UNITED STATES  
PLUYER, JOHAN G., EAST MILLSTONE, NJ, UNITED STATES  
BABENKO, TAMARA, BRIDGEWATER, NJ, UNITED STATES  
PI US 2002042448 A1 20020411  
US 6447803 B2 20020910  
AI US 1998-134221 A1 19980814 (9)  
DT Utility  
FS APPLICATION  
LREP LARELEE A. DUNCAN, NATIONAL STARCH AND CHEMICAL COMPANY, P.O. BOX 6500,  
BRIDGEWATER, NJ, 08807-0500  
CLMN Number of Claims: 18  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 555

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thickener-rheology modifier system for use in hair care and skin care  
**compositions** comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener  
comprising an aqueous emulsion copolymer of

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically  
unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R<sup>1</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl, or --CH<sub>2</sub>COOX; R is --COOX and R<sup>1</sup> is H or --CH<sub>2</sub>COOX; and R is CH<sub>3</sub> and R<sup>1</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or --CH<sub>2</sub>COOX; and X is H or C<sub>1</sub>-C<sub>4</sub> alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH<sub>2</sub>.dbd.CYZ

where Y is H or CH<sub>3</sub> and Z is ##STR2##

where R is C<sub>1</sub> to C<sub>4</sub> alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH<sub>3</sub> and R'' is H, CH<sub>3</sub>, --COOH or --CH<sub>2</sub>COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 26 OF 72 USPATFULL  
AN 2002:69591 USPATFULL  
TI Modified **starch** solutions and their use in personal care  
IN Melby, Allan L., Cranberry Township, PA, United States  
Gunther, Manfred, Hamburg, GERMANY, FEDERAL REPUBLIC OF  
Gaffney, Tammy W., New Castle, PA, United States  
Matz, Gary F., Carnegie, PA, United States  
PA Calgon Corporation, Naperville, IL, United States (U.S. corporation)  
PI US 6365140 B1 20020402  
AI US 2000-717958 20001120 (9)  
PRAI US 1999-168939P 19991203 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Hartley, Michael G.; Assistant Examiner: Willis, Michael A.  
LREP Brumm, Margaret M., Breininger, Thomas M.  
CLMN Number of Claims: 18  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 932  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Disclosed are novel aqueous modified **starch** solutions, such solutions can contain high levels of the modified **starch** and remain stable that on standing, the solution does not form a precipitate, become a non pourable gel, separate or spoil due to attack from microorganisms. The use of the novel aqueous modified **starch** solutions in a cosmetically acceptable medium for the treatment of a keratin-containing substrate is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 27 OF 72 USPATFULL  
AN 2002:61235 USPATFULL  
TI Method of regulating hair growth using metal complexes of oxidized carbohydrates  
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES  
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES  
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES  
PA The Procter & Gamble Company (U.S. corporation)  
PI US 2002035070 A1 20020321  
AI US 2001-909441 A1 20010719 (9)  
PRAI US 2000-220755P 20000726 (60)  
DT Utility  
FS APPLICATION  
LREP Brent M. Peebles, The Procter & Gamble Company, Sharon Woods Technical Center, 11511 Reed Hartman Highway, Cincinnati, OH, 45241  
CLMN Number of Claims: 44  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3276  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB A method for regulating the growth of hair comprising administering to a mammal, an effective amount of a **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate, wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 28 OF 72 USPATFULL  
AN 2002:54319 USPATFULL  
TI Clear, two-phase, foam-forming aerosol hair care product  
IN Keller, Walter, Ober-Ramstadt, GERMANY, FEDERAL REPUBLIC OF  
Kischka, Karl-Heinz, Darmstadt, GERMANY, FEDERAL REPUBLIC OF  
PI US 2002031478 A1 20020314  
AI US 2001-899788 A1 20010705 (9)  
PRAI DE 2000-10033414 20000708  
DT Utility  
FS APPLICATION  
LREP STRIKER, STRIKER & STENBY, 103 East Neck Road, Huntington, , NY, 11743  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 925  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The product for hair treatment includes a transparent pressure-resistant aerosol container and a device for making foam from an effective-ingredient containing **composition** contained in the aerosol container. The effective-ingredient containing **composition** contained in the transparent aerosol container has two clearly distinguishable liquid phases with a sharply distinct phase boundary. The two liquid phases consist of a hydrophilic phase and a hydrophobic phase. The hydrophilic phase includes water or a solvent system containing water and a water-soluble organic solvent, at least one cationic or cationically-active hair care ingredient and at least one organic or inorganic salt. The hydrophobic phase contains a water-insoluble, liquefied propellant gas and at least one water-insoluble, hydrophobic, oily or fatty substance dissolved in the liquefied propellant gas.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 29 OF 72 USPATFULL

AN 2002:36617 USPATFULL  
TI Non-contact information recording medium for ink-jet recording and image forming process  
IN Shino, Yoshiyuki, Kanagawa, JAPAN  
Higuma, Masahiko, Chiba, JAPAN  
PI US 2002021330 A1 20020221  
AI US 2001-900008 A1 20010709 (9)  
PRAI JP 2000-208994 20000710  
DT Utility  
FS APPLICATION  
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112  
CLMN Number of Claims: 13  
ECL Exemplary Claim: 1  
DRWN 6 Drawing Page(s)  
LN.CNT 823  
AB Disclosed herein is a non-contact information recording medium for ink-jet recording, on and from which information can be recorded and read in a non-contact state from the outside, comprising an electronic information storing circuit part and an image recording part, wherein at least part of the electronic information storing circuit part has an ink/circuit-part barrier structure by which the circuit part undergoes no circuit trouble caused by an ink applied to the image recording part.

L6 ANSWER 30 OF 72 USPATFULL  
AN 2002:9654 USPATFULL  
TI Cleansing articles for skin and/or hair which also deposit skin care actives  
IN Albacarys, Lourdes Dessus, West Chester, OH, United States  
McAtee, David Michael, Mason, OH, United States  
Deckner, George Endel, Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6338855 B1 20020115  
AI US 1999-296334 19990422 (9)  
RLI Continuation-in-part of Ser. No. US 1998-65991, filed on 24 Apr 1998, now abandoned Continuation-in-part of Ser. No. US 1997-974033, filed on 19 Nov 1997, now abandoned Continuation-in-part of Ser. No. US 1996-738145, filed on 25 Oct 1996, now abandoned Continuation of Ser. No. US 1996-738668, filed on 25 Oct 1996, now abandoned  
PRAI US 1998-83015P 19980424 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Criares, Theodore J.  
LREP Allen, George W., Matthews, Armina E., Tsuneki, Fumiko  
CLMN Number of Claims: 29  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 3405  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention relates to a substantially dry, disposable, personal cleansing article useful for both cleansing the skin or hair and delivering skin care actives onto the skin or hair. These articles are used by the consumer by (i) wetting the dry article with water and (ii) generating lather by subjecting the wetted article to mechanical forces, e.g., rubbing. The article comprises a water insoluble substrate, a lathering surfactant, and a skin care active component. Preferably, the articles of the present invention further comprise a deposition aid and/or a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 31 OF 72 USPATFULL

AN 2001:218547 USPATFULL  
TI Cationic emulsifier-enhanced liquid crystal gel network based skin care moisturizing **compositions**  
IN McManus, Richard L., Shelton, CT, United States  
Trivedi, Himanshu, Bridgeport, CT, United States  
Murphy, Bryan P., Monroe, CT, United States  
Spengler, Eric, Ridgefield, CT, United States  
PI US 2001047039 A1 20011129  
AI US 2001-825467 A1 20010402 (9)  
PRAI US 2000-196640P 20000412 (60)  
DT Utility  
FS APPLICATION  
LREP Charles J. Zeller, Esquire, 2 Blachley Road, Stamford, CT, 06922  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 913

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to skin moisturizing **compositions** comprising a liquid crystal/gel network (LCGN) emulsion system comprising water, cationic emulsifiers, low HLB emulsifiers and emollients. In one aspect, the **compositions** comprise an emollient component as an occlusive agent, such as a petroleum-derived or a non-petroleum-derived occlusive agent, in the LCGN emulsion system. Additives such as adjuvants, active agents, or excipients may also be included in the **compositions** of the invention. The **compositions** of the present invention provide excellent moisturization and improved aesthetics (faster absorbency with more pleasant afterfeel properties) compared with traditionally available moisturizing products having different **compositions** and components and containing petroleum and/or mineral oil, to which are attributed greasiness and other unpleasant, user-perceived attributes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 32 OF 72 USPATFULL  
AN 2001:184825 USPATFULL  
TI Catalyzed water-soluble/dispersible reactive derivatives of polyimido compounds for modifying proteinaceous substrates  
IN Guth, Jacob J., Upper Black Eddy, PA, United States  
Vona, Jr., Samuel A., Bound Brook, NJ, United States  
Thomaides, John S., Berkeley Heights, NJ, United States  
Savoca, Ann C., Nazareth, PA, United States  
PA National Starch & Chemical Investment Holding Corp., Wilmington, DE, United States (U.S. corporation)  
PI US 6306378 B1 20011023  
AI US 1999-287900 19990407 (9)  
RLI Continuation-in-part of Ser. No. US 1998-218846, filed on 22 Dec 1998  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Shelborne, Kathryne E.  
LREP Muccino, Richard R.  
CLMN Number of Claims: 41  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1889

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to a two-part system useful for treating proteinaceous substrates. The two-part system has a first part comprising a water-soluble/dispersible reactive polyimido compound and a second part comprising a nucleophilic catalytic agent. The polyimido compounds may be selected from the group consisting of polysuccinimide compounds, polyglutimide compounds, and copolymers of thereof. The



polyimido compound may also comprise a functionalizing moiety that provides functionality to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates; and a water-solubilizing/dispersing moiety that provides water-solubility and/or water-dispersibility to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates. The nucleophilic catalytic agent serves to catalyze nucleophilic substitution of the polyimido compound by the proteinaceous substrate. The invention also pertains to a method for treating a proteinaceous substrate with the two-part system and to a **composition** comprising a mixture of the polyimido compound and the nucleophilic catalytic agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 33 OF 72 USPATFULL  
AN 2001:179280 USPATFULL  
TI Use of water-soluble/dispersible reactive functionalized derivatives of polyimido compounds for modifying proteinaceous substrates  
IN Guth, Jacob J., Upper Black Eddy, PA, United States  
Vona, Jr., Samuel A., Bound Brook, NJ, United States  
Thomaides, John S., Berkeley Heights, NJ, United States  
Howard, Doreen, Plainsboro, NJ, United States  
Petersen, Paul M., Princeton, NJ, United States  
Iovine, Carmine, Bridgewater, NJ, United States  
PA National Starch & Chemical Investment Holding Corp., Wilmington, DE, United States (U.S. corporation)  
PI US 6303794 B1 20011016  
AI US 1998-218846 19981222 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: George, Konata  
LREP Muccino, Richard R.  
CLMN Number of Claims: 43  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1629

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to water-soluble/dispersible reactive functionalized imido and polyimido compounds, wherein the polyimido compounds may be selected from the group consisting of polysuccinimide compounds, polyglutimide compounds, and copolymers of thereof. The polyimido compound comprises a functionalizing moiety F that provides functionality to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates; and a water-solubilizing/dispersing moiety that provides water-solubility and/or water-dispersibility to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates. The invention also pertains to a proteinaceous substrate to which the imido or polyimido compound has been covalently bonded and to a method for treating a proteinaceous substrate with the imido or polyimido compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 34 OF 72 USPATFULL  
AN 2001:173748 USPATFULL  
TI Use of water-soluble/dispersible reactive derivatives of polyimido compounds for modifying proteinaceous substrates  
IN Guth, Jacob J., Upper Black Eddy, PA, United States  
Vona, Jr., Samuel A., Bound Brook, NJ, United States  
Thomaides, John S., Berkeley Heights, NJ, United States

Petersen, Paul M., Princeton, NJ, United States  
Iovine, Carmine, Bridgewater, NJ, United States  
PA National Starch & Chemical Investment Holding Corp., Wilmington, DE,  
United States (U.S. corporation)  
PI US 6300504 B1 20011009  
AI US 1998-218847 19981222 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Shelborne, K. E.  
LREP Muccino, Richard R  
CLMN Number of Claims: 37  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1367

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to water-soluble/dispersible reactive imido and polyimido compounds, wherein the polyimido compounds may be selected from the group consisting of polysuccinimide compounds, polyglutimide compounds, and copolymers of thereof. The polyimido compounds comprise a water-solubilizing/dispersing moiety that provides water-solubility and/or water-dispersibility to the polyimido compound and preferably is derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates. The present invention also pertains to a proteinaceous substrate to which the imido or polyimido compound has been covalently bonded and to a method for treating a proteinaceous substrate with the imido or polyimido compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 35 OF 72 USPATFULL  
AN 2001:145274 USPATFULL  
TI Fabric softening **compositions**  
IN Grainger, David Stephen, Wirral, Great Britain  
Green, Andrew David, Wirral, Great Britain  
Mohammadi, Mansur Sultan, Wirral, Great Britain  
PI US 2001018410 A1 20010830  
US 6514931 B2 20030204  
AI US 2000-741396 A1 20001220 (9)  
PRAI GB 1999-30435 19991222  
DT Utility  
FS APPLICATION  
LREP UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020  
CLMN Number of Claims: 10  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 796

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a fabric softening **composition** comprising;

(i) one or more cationic fabric softening compound(s) having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C.sub.8, and

(iv) at least one oily sugar derivative which is a liquid or soft solid derivative of a cyclic polyol or of a reduced saccharide, said derivative resulting from 35 to 100% of the hydroxyl groups in said polyol or in said saccharide being esterified or etherified, and wherein, the derivative has two or more ester or ether groups independently attached to a C.sub.8-C.sub.22 alkyl or alkenyl chain, and

(v) a deposition aid comprising a mixture of one or more nonionic surfactant(s), and one or more one cationic polymer(s), and wherein the weight ratio of the nonionic surfactant to the cationic polymer is in

the range 10:1 to 1:10.

The invention also provides a method of treating fabric with the above **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 36 OF 72 USPATFULL  
AN 2001:111814 USPATFULL  
TI Antiperspirant **compositions**  
IN Fletcher, Neil Robert, Wirral, United Kingdom  
Kanda, Miyuki, Tochigi-ken, Japan  
Ketelson, Howard Allen, London, Canada  
Turner, Graham Andrew, Wirral, United Kingdom  
PA Unilever Home & Personal Care USA, division of Conopco, Inc., Chicago, IL, United States (U.S. corporation)  
PI US 6261543 B1 20010717  
AI US 1999-416104 19991012 (9)  
PRAI GB 1998-22518 19981015  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Dodson, Shelley A.  
LREP Boxer, Matthew  
CLMN Number of Claims: 50  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1238

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant emulsions which exhibit excellent phase stability even in the presence of an effective concentration of antiperspirant salts in solution and which are thickened are obtainable by dispersing a hydratable polymer and particularly an amphoteric or **cationic modified starch** in an aqueous emulsion forming a viscous emulsion, often at an elevated temperature, subjecting the emulsion to high shear, thereby reducing the droplet size of the dispersed oil phase, bringing the emulsion to below 40.degree. C. and introducing the antiperspirant, preferably in aqueous solution. The viscous emulsion subjected to high shear mixing desirably has a Sheer Stress of 10 to 500 Pa. The resultant emulsions show good phase stability even when they contain aluminium/ zirconium antiperspirant salts that promote instability and even at elevated storage temperatures such as at 50.degree. C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 37 OF 72 USPATFULL  
AN 2001:105318 USPATFULL  
TI Method for preparing fabric softening **compositions**  
IN Charlton, Ian David, Bebington, Great Britain  
Grainger, David Stephen, Bebington, Great Britain  
Mohammadi, Mansur Sultan, Bebington, Great Britain  
Sakya, Prabhat, Bebington, Great Britain  
PI US 2001006937 A1 20010705  
US 6436896 B2 20020820  
AI US 2000-741379 A1 20001220 (9)  
PRAI GB 1999-30430 19991222  
DT Utility  
FS APPLICATION  
LREP UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020  
CLMN Number of Claims: 13  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1153  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a method for the preparation of an aqueous fabric softening **composition** comprising;

(i) at least one cationic fabric softening compound having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C.sub.8 and

(ii) at least one oily sugar derivative,

wherein the cationic fabric softening compound (i), and/or the oily sugar derivative (ii) is/are separately mixed with another active component of the fabric softening **composition** to form a pre-mixture prior to the admixing of the softening compound (i) with the oily sugar derivative (ii).

The invention also provides an aqueous based fabric softening **composition** produced by the method of the invention, and, a method of treating fabrics with the **composition** so produced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 38 OF 72 USPATFULL  
AN 2001:71085 USPATFULL  
TI Topical Products as prophylactic of curative agents for bacterial skin infections  
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of  
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of  
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of  
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)  
PI US 6231848 B1 20010515  
WO 9814199 19980409  
AI US 1999-269333 19990325 (9)  
WO 1997-EP5291 19970926  
19990325 PCT 371 date  
19990325 PCT 102(e) date  
PRAI DE 1996-19640364 19960930  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kulkosky, Peter F.  
LREP Keil & Weinkauff  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to topical products intended for use as prophylactic or curative agents for bacterial skin infections, containing at least one polymeric complex substantially consisting of hydrogen peroxide, a suitable polymer for the complex formation thereof, possibly another bactericidal compound and possibly a metal salt or a metal colloid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 39 OF 72 USPATFULL  
AN 2001:63230 USPATFULL  
TI Liquid sunscreen **compositions** which both deposit and lather well  
IN Morgan, Leslie Jo, Chatham, NJ, United States  
Puvvada, Sudhakar, Rutherford, NJ, United States  
Tsaur, Liang Sheng, Norwood, NJ, United States  
Aronson, Michael Paul, West Nyack, NY, United States  
Lam, Andrew, Yorktown Heights, NY, United States

Shen, Shiji, Norwood, NJ, United States  
Macauley, Ernest Weatherly, Morris Township, NJ, United States  
PA Unilever Home & Personal Care USA, Greenwich, CT, United States (U.S.  
corporation)  
PI US 6224852 B1 20010501  
AI US 1999-298580 19990423 (9)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Dodson, Shelley A.; Assistant Examiner: Lamm, Marina  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1027

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention teaches liquid sunscreen **compositions** in which level of surfactant is higher than level at which the sunscreen component(s) are still soluble in the surfactant in which they are used; and which comprise minimal levels of cationic polymer. Combination of cationic polymer (especially preferred surfactants and at minimum levels) and minimal levels of sunscreen lead to **compositions** with minimal levels of deposition and minimal SPF. Further, the **compositions** also maintain good lather.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 40 OF 72 USPATFULL  
AN 2001:25445 USPATFULL  
TI Cleansing and conditioning products for skin or hair with improved deposition of conditioning ingredients  
IN Hasenoehrl, Erik John, Loveland, OH, United States  
McAtee, David Michael, Mason, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6190678 B1 20010220  
AI US 1998-148540 19980904 (9)  
PRAI US 1997-58093P 19970905 (60)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Jarvis, William R. A.; Assistant Examiner: Kim, Vickie  
LREP Tsuneki, Fumiko, Allen, George W.  
CLMN Number of Claims: 21  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing product useful for both cleansing and consistently conditioning the skin or hair. These products are used by the consumer by wetting the dry product with water. The product comprises of a water insoluble substrate, a lathering surfactant, and a conditioning component having a lipid hardness value of at least about 0.02 kg. This invention also encompasses methods for providing consistent deposition of conditioning agents to the skin or hair. The invention also encompasses methods for cleansing and conditioning the skin or hair using these products and to methods for manufacturing these products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 41 OF 72 USPATFULL  
AN 2000:174084 USPATFULL  
TI Personal care **compositions** containing thermoplastic elastomeric graft copolymers  
IN Torgerson, Peter Marte, Washington Court House, OH, United States

Midha, Sanjeev, Blue Ash, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6165455 20001226  
AI US 1997-897397 19970721 (8)  
RLI Continuation of Ser. No. US 1995-445267, filed on 19 May 1995, now abandoned which is a continuation of Ser. No. US 1994-269246, filed on 30 Jun 1994, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kulkosky, Peter F.  
LREP Murphy, Stephen T.  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2374

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to hair care **compositions** containing nonpolar graft thermoplastic elastomeric copolymers and a water insoluble volatile solvent for the copolymer. This invention relates to styling products such as sprays and mousses, to hair conditioning products such as rinses and leave on conditioners, and to shampoo products useful for both cleansing and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 42 OF 72 USPATFULL  
AN 2000:164582 USPATFULL  
TI Matrix **composition** comprising surfactant and matrix useful for targeted delivery articles  
IN Guenin, Eric P., Trenton, NJ, United States  
Trotzinka, Karen A., Wayside, NJ, United States  
Smith, Leslie C., Jamesburg, NJ, United States  
Teffenhart, John M., Edison, NJ, United States  
McDermott, Keith J., Bridgewater, NJ, United States  
Shefer, Shmuel David, East Brunswick, NJ, United States  
Shefer, Adi, East Brunswick, NJ, United States  
PA International Flavors & Fragrances Inc., New York, NY, United States (U.S. corporation)  
PI US 6156826 20001205  
AI US 1998-208461 19981210 (9)  
RLI Continuation-in-part of Ser. No. US 1997-933599, filed on 18 Sep 1997, now patented, Pat. No. US 6042792  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Boykin, Terressa M.  
LREP Liberman, Arthur L.  
CLMN Number of Claims: 2  
ECL Exemplary Claim: 1  
DRWN 66 Drawing Figure(s); 49 Drawing Page(s)  
LN.CNT 1834

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described are controlled, time-release microparticulate active and bioactive **compositions** (including perfuming **compositions**) for targeted delivery to surfaces such as skin, hair and fabric and the environment proximate thereto, where the active and bioactive materials have a calculated log<sub>sub.10</sub> P values of between 1 and 8 (P being the n-octanol-water partition coefficient). Such **compositions** include the active or bioactive material in single phase, solid solution in a wax or polymer matrix also having coated thereon and/or containing a compatible surfactant. Also described are processes and apparatus for preparing such **compositions** and processes for using same. Furthermore, certain component(s) of the aforementioned **compositions** in combination with one another

are novel, and other components have novel uses in increasing fragrance substantivity, particularly in hair care preparations such as hair gels and shampoos.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 43 OF 72 USPATFULL  
AN 2000:160606 USPATFULL  
TI Cleansing and conditioning article for skin or hair  
IN McAtee, David Michael, Mason, OH, United States  
Nissing, Nicholas James, Cincinnati, OH, United States  
Hasenoehrl, Erik John, Loveland, OH, United States  
Cabell, David William, Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 6153208 20001128  
AI US 1998-152034 19980911 (9)  
PRAI US 1997-58608P 19970912 (60)  
US 1998-72440P 19980126 (60)  
US 1998-85495P 19980514 (60)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Dodson, Shelley A.; Assistant Examiner: Lamm, Marina  
LREP Allen, George W., Tsuneki, Fumiko  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN 8 Drawing Figure(s); 4 Drawing Page(s)  
LN.CNT 3452

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing article useful for both cleansing the skin or hair, and more particularly to a disposable, cleansing article having a substrate which preferably comprises of multiple layers. These articles are used by the consumer by wetting the dry article with water. The article comprises a water insoluble substrate having at least a first portion that is wet extensible and at least a second portion that is less wet extensible than said first portion and a lathering surfactant. Preferably, the articles of the present invention further comprise a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 44 OF 72 USPATFULL  
AN 2000:131428 USPATFULL  
TI Liquid **compositions** comprising stable emulsion of small particle skin benefit agent  
IN Tsaur, Liang Sheng, Norwood, NJ, United States  
PA Unilever Home & Personal Care USA, division of Conopco, Greenwich, CT, United States (U.S. corporation)  
PI US 6126954 20001003  
AI US 1999-286041 19990405 (9)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Harrison, Robert H.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 707

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable aqueous liquid comprising surfactant, dispersed cationic polymer particle and small particle benefit agent. The dispersed polymer interacts with the benefit agent, without need of additional structurant to stabilize particles in solution. Further, upon dilution, enhanced

cationic deposition is achieved.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 45 OF 72 USPATFULL  
AN 2000:64839 USPATFULL  
TI Aqueous solution **compositions** comprising polymer hydrogel  
**compositions**  
IN Tsaur, Liang Sheng, Norwood, NJ, United States  
Shen, Shiji, River Edge, NJ, United States  
Jobling, Margaret, Bebington, United Kingdom  
Aronson, Michael Paul, West Nyack, NY, United States  
PA Lever Brothers Company, New York, NY, United States (U.S. corporation)  
PI US 6066613 20000523  
AI US 1997-965138 19971106 (8)  
RLI Division of Ser. No. US 1996-703116, filed on 27 Aug 1996, now patented,  
Pat. No. US 5726138  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Hardee, John R.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 16  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1436

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 46 OF 72 USPATFULL  
AN 2000:37350 USPATFULL  
TI Apparatus for preparing a solid phase microparticulate  
**composition**  
IN Shefer, Adi, East Brunswick, NJ, United States  
McDermott, Keith J., Bound Brook, NJ, United States  
Shefer, Shmuel David, East Brunswick, NJ, United States  
Tan, Chee-Teck, Middletown, NJ, United States  
PA International Flavors & Fragrances Inc., New York, NY, United States  
(U.S. corporation)  
PI US 6042792 20000328  
AI US 1997-933599 19970918 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: McKane, Elizabeth  
LREP Liberman, Arthur L.  
CLMN Number of Claims: 2  
ECL Exemplary Claim: 1  
DRWN 66 Drawing Figure(s); 49 Drawing Page(s)  
LN.CNT 1903

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described are controlled, time-release microparticulate active and bioactive **compositions** (including perfuming **compositions**) for targeted delivery to services such as skin, hair and fabric and the environment proximate thereto, where the active and bioactive materials have a calculated log.sub.10 P values of between 1 and 8 (P being the n-octanol-water partition coefficient). Such **compositions** include the active or bioactive material in single phase, solid solution in a wax or polymer matrix also having coated thereon and/or containing a compatible surfactant. Also described are processes and apparatus for preparing such **compositions** and processes for using same. Furthermore, certain component(s) of the



aforementioned **compositions** in combination with one another are novel, and other components have novel uses in increasing fragrance substantivity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 47 OF 72 USPATFULL  
AN 1999:150639 USPATFULL  
TI Personal cleansing **compositions** containing alkoxyated ether and cationic **ammonium** salt for deposition of active agent upon the skin  
IN Deckner, George Endel, Cincinnati, OH, United States  
McManus, Richard Loren, West Chester, OH, United States  
French, Dawn Marie, Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5989536 19991123  
AI US 1996-629790 19960409 (8)  
RLI Continuation of Ser. No. US 1995-371049, filed on 10 Jan 1995, now abandoned which is a continuation of Ser. No. US 1993-161104, filed on 2 Dec 1993, now abandoned which is a continuation of Ser. No. US 1993-100957, filed on 3 Aug 1993, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kulkosky, Peter F.  
LREP Little, Darryl C.  
CLMN Number of Claims: 54  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1905

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to oil-in-water emulsion **compositions** that are useful for personal cleansing and for depositing an active ingredient upon the skin surface. The active ingredient in these **compositions** has a solubility parameter from about 7 to about 13. A preferred active ingredient is salicylic acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 48 OF 72 USPATFULL  
AN 1999:102422 USPATFULL  
TI Polymer/hydrogen peroxide complexes  
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of  
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of  
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of  
Reich, Hans-Bernd, Neuhofen, Germany, Federal Republic of  
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)  
PI US 5945032 19990831  
AI US 1997-935656 19970923 (8)  
PRAI DE 1996-19640365 19960930  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lovering, Richard D.  
LREP Keil & Weinkauff  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 682

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polymer complexes which comprises hydrogen peroxide, a polymer suitable for complex formation with hydrogen peroxide, and at least one metal colloid and/or metal salt are prepared as described and used in

bactericidal **compositions**, disinfectant systems, hair cosmetic **compositions** and as free-radical initiators for chemical reactions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 49 OF 72 USPATFULL  
AN 1999:67000 USPATFULL  
TI Aqueous hair setting **composition** containing silicone grafted copolymer  
IN Midha, Sanjeev, Blue Ash, OH, United States  
Torgerson, Peter Marte, Washington Court House, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5911979 19990615  
AI US 1997-807845 19970226 (8)  
RLI Continuation of Ser. No. US 1995-370147, filed on 9 Jan 1995, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Harrison, Robert H.  
LREP Lewis, Leonard W., Murphy, Stephen T., Rosnell, Tara M.  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous hair setting **composition**, comprising: (a) from about 0.1% to about 15%, by weight, of a cationic, water soluble polymeric hair setting agent, said hair setting agent being a silicone macromer-grafted copolymer derived by polymerization of: (i) from about 1% to about 20%, by weight, silicone macromers; (ii) from about 5% to about 75%, by weight, nonionic, quaternizable monomers; and (iii) from about 5% to about 90%, by weight, nonionic, water soluble, non-quaternizable monomers; wherein at least about 5 wt/%, of the monomers, calculated by total weight of the copolymer, are quaternized and said copolymer has a backbone having a Tg of from about 30.degree. C. to about 140.degree. C.; and (b) from about 75% to about 99.9%, by weight, water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 50 OF 72 USPATFULL  
AN 1998:79114 USPATFULL  
TI Shampoos with insoluble silicone conditioning agent and cationic polymer  
IN Cothran, Philip Earl, Loveland, OH, United States  
Gauthier, Thomas Francis, Milford, OH, United States  
Coffindaffer, Timothy Woodrow, Loveland, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5776871 19980707  
AI US 1997-852935 19970508 (8)  
RLI Continuation of Ser. No. US 1995-428923, filed on 21 Apr 1995, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Caldarola, Glenn; Assistant Examiner: Ghyka, Alexander G.  
LREP Little, Darryl C., Rosnell, Tara M., Rasser, Jacobus C.  
CLMN Number of Claims: 19  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1320

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a anti-dandruff shampoo **composition** comprising:  
(a) from about 8% to about 40%, by weight, of deterative surfactant, said **composition** comprising from about 5% to about 40% of anionic deterative surfactant; (b) from about 0.05% to about 5%, by weight, of a dispersed, insoluble silicone conditioning agent; (c) from about 0.01% to about 1.0%, by weight, of a stabilizing agent for the silicone conditioning agent, said stabilizing agent being a shampoo soluble cationic polymer; (d) from about 50% to about 91.5%, by weight, water; wherein said shampoo **composition** is substantially free of suspending agents selected from the group consisting of crystalline suspending agents and anionic, nonionic, and amphoteric polymeric thickening agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 51 OF 72 USPATFULL  
AN 1998:61586 USPATFULL  
TI Process for making aqueous solution **compositions** comprising polymer hydrogel **compositions**  
IN Tsaur, Liang Sheng, Norwood, NJ, United States  
Shen, Shiji, River Edge, NJ, United States  
Jobling, Margaret, Bebington, England  
Aronson, Michael Paul, West Nyack, NY, United States  
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)  
PI US 5759969 19980602  
AI US 1996-703747 19960827 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 1  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1399

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a process for making hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 52 OF 72 USPATFULL  
AN 1998:54471 USPATFULL  
TI Hair care **compositions** having styling/conditioning agent and plasticizer  
IN Leitch, Steven Hilary, Maineville, OH, United States  
Bartz, Lisa Jo, Cincinnati, OH, United States  
Fish, Kathleen Brown, Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5753216 19980519  
AI US 1994-203723 19940228 (8)  
RLI Continuation of Ser. No. US 1993-26144, filed on 2 Mar 1993, now abandoned which is a continuation of Ser. No. US 1991-671578, filed on 19 Mar 1991, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Venkat, Jyothsan  
LREP Lewis, Leonard W., Rosnell, Tara M., Henderson, Loretta J.  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN No Drawings

LN.CNT 1975

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are hair care **compositions** containing a hair styling/conditioning copolymer solubilized or dispersed in a volatile silicone fluid, wherein the copolymer-volatile silicone fluid solution further comprises a nonvolatile plasticizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 53 OF 72 USPATFULL

AN 1998:51563 USPATFULL

TI **Composition** and improved pH driven method for wastewater separation using an amphoteric carboxylate and a cationic destabilizer **composition**

IN Falbaum, David J., St. Paul, MN, United States  
Hei, Robert D., Cottage Grove, MN, United States  
Maier, Helmut K., Golden Valley, MN, United States  
Mattia, Paul J., Prior Lake, MN, United States

PA Ecolab Inc., St. Paul, MN, United States (U.S. corporation)

PI US 5750484 19980512

AI US 1997-802219 19970219 (8)

RLI Continuation of Ser. No. US 1995-429896, filed on 27 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-267664, filed on 29 Jun 1994, now patented, Pat. No. US 5523000

DT Utility

FS Granted

EXNAM Primary Examiner: McAvoy, Ellen M.

LREP Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.

CLMN Number of Claims: 15

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1041

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved separation of emulsified hydrophobic organic soils can be obtained from aqueous effluents using an amphoteric carboxylate surfactant material in combination with cationic destabilizer or flocculent materials. Such a treatment in combination with an acidic pH adjustment causes the rapid separation of hydrophobic organic soils from the aqueous stream. The treated aqueous stream is environmentally compatible.

Improved laundry detergents comprising an organic amphoteric carboxylate surfactant and selected nonionic surfactants provide both cleaning for fiber and fabric containing items soiled with substantial quantities of hydrophobic soil. The pH of an effluent generated in such cleaning processes can be adjusted to an acid pH and treated with a cationic material causing a break that permits rapid and substantially complete separation of the hydrophobic organic soils from the effluent. Residual concentrations of organic soil in effluent water can be less than 250 ppm and can be as low as 10 ppm.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 54 OF 72 USPATFULL

AN 1998:25194 USPATFULL

TI Aqueous solution **compositions** comprising polymer hydrogel **compositions**

IN Tsaur, Liang Sheng, Norwood, NJ, United States  
Shen, Shiji, River Edge, NJ, United States  
Jobling, Margaret, Bebington, England  
Aronson, Michael Paul, West Nyack, NJ, United States

PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)

PI US 5726138 19980310

AI US 1996-703116 19960826 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.  
LREP Koatz, Ronald A.  
CLMN Number of Claims: 6  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1393  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 55 OF 72 USPATFULL  
AN 97:78166 USPATFULL  
TI Personal care **compositions** containing hydrophobic linear copolymer and hydrophobic, volatile, branched hydrocarbon solvent  
IN Bolich, Jr., Raymond Edward, Maineville, OH, United States  
Midha, Sanjeev, Blue Ash, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5662892 19970902  
AI US 1996-616402 19960315 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon  
LREP Henderson, Loretta J., Sabatelli, Anthony D.  
CLMN Number of Claims: 21  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1545  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention relates to personal care **compositions**, especially hair care **compositions**, containing hydrophobic, linear random copolymers and a hydrophobic, volatile, branched hydrocarbon solvent for the copolymer. The copolymer is formed by the copolymerization of monomer units that form a homopolymer having a T.sub.g of at least 90.degree. C., and monomer units that form a homopolymer having a T.sub.g of less than 25.degree. C. The hydrocarbon solvent consists essentially of one or more branched chain hydrocarbons containing from 10 to 16 carbon atoms. The invention relates to hair styling and conditioning products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 56 OF 72 USPATFULL  
AN 97:47378 USPATFULL  
TI Foaming cleansing products  
IN Fowler, Timothy J., Cincinnati, OH, United States  
Woodin, Jr., Frederick W., Middletown, OH, United States  
Deckner, George E., Cincinnati, OH, United States  
Gupte, Anil J., Cincinnati, OH, United States  
Taniguchi, Tatsuya, Hyogo, Japan  
Collias, Dimitris I., Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)  
PI US 5635469 19970603  
AI US 1996-729523 19961010 (8)  
RLI Continuation of Ser. No. US 1996-602387, filed on 16 Feb 1996, now

abandoned which is a continuation of Ser. No. US 1995-438457, filed on 10 May 1995, now abandoned which is a continuation of Ser. No. US 1993-75210, filed on 10 Jun 1993, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Caldarola, Glenn A.; Assistant Examiner: Wood, Elizabeth D.

LREP Sabatelli, Anthony D., Dabbiere, David K.

CLMN Number of Claims: 35

ECL Exemplary Claim: 1

DRWN 11 Drawing Figure(s); 6 Drawing Page(s)

LN.CNT 2449

AB The present invention relates to foam producing products useful for personal cleansing. These products comprise a foamable liquid **composition** and a foam-producing foam dispenser. These products provide a stable homogeneous foam and good lathering and cleansing characteristics. These products are very mild to the skin and are useful for moisturizing the skin and for delivering a wide variety of active ingredients to the skin.

L6 ANSWER 57 OF 72 USPATFULL

AN 97:44767 USPATFULL

TI Personal care **compositions** containing hydrophobic graft copolymer and hydrophobic, volatile solvent

IN Midha, Sanjeev, Blue Ash, OH, United States

Bolich, Jr., Raymond E., Maineville, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 5632998 19970527

AI US 1996-616847 19960315 (8)

DT Utility

FS Granted

EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon

LREP Henderson, Loretta J., Howell, John M., Suter, David L.

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to personal care **compositions**, especially hair care **compositions**, containing non-silicone, hydrophobic graft copolymers and a hydrophobic, volatile solvent for the copolymer, the solvent being selected from branched chain hydrocarbons, silicones and combinations thereof. This invention also relates to hair conditioners and hair styling products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

The graft polymers should satisfy the following three criteria:

(1) the graft portion is covalently bonded to the polymeric backbone portion;

(2) the molecular weight of the graft portion is at least about 500; and

(3) when used in a **composition**, such as a personal care **composition** for application to the hair or skin, the polymeric backbone portion should permit the graft polymer to deposit on the intended surface, such as hair or skin.

Preferred copolymers, when dried, phase-separate into a microphase which includes the graft portion and a microphase which includes the polymeric backbone portion.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 58 OF 72 USPATFULL  
AN 96:96772 USPATFULL  
TI Topical personal care **composition** containing  
polysiloxane-grafted adhesive polymer and drying aid  
IN Hughes, Kendrick J., Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
corporation)  
PI US 5567428 19961022  
AI US 1995-566599 19951204 (8)  
RLI Continuation of Ser. No. US 1995-405415, filed on 15 Mar 1995, now  
abandoned which is a continuation of Ser. No. US 1993-113570, filed on  
27 Aug 1993, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Nutter, Nathan M.  
LREP Lewis, Leonard W., Sabatelli, Anthony D., Dabbieri, David K.  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2149

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a topical personal care **composition**, having  
improved drying time, said **composition** comprising: (a) a  
polysiloxane-grafted adhesive polymer; (b) a volatile, water insoluble  
solvent for said polysiloxane-grafted polymer; (c) a nonvolatile drying  
aid for said polysiloxane-grafted polymer which is soluble in said  
volatile solvent (b) at 45.degree. C. and is water insoluble at  
25.degree. C., and is selected from the group consisting of silicone  
fluids and waxes having from 1 to about 100 siloxy units, silanes, and  
silicone resins and mixtures thereof; wherein the weight ratio of said  
polysiloxane-grafted polymer (a) to said drying aid (c) is about 100:1  
or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 59 OF 72 USPATFULL  
AN 92:46863 USPATFULL  
TI Hair styling conditioners  
IN Wells, Robert L., Cincinnati, OH, United States  
King, Bonnie T., Alexandria, KY, United States  
Snyder, Michael A., Cincinnati, OH, United States  
Frey, Donald H., Cincinnati, OH, United States  
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
corporation)  
PI US 5120531 19920609  
AI US 1990-506410 19900406 (7)  
DCD 20090414  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Page, Thurman K.  
LREP Lewis, Leonard W., Goldstein, Steven J.  
CLMN Number of Claims: 48  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1400

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to rinse off hair conditioner  
**compositions** comprising from about 0.2% to about 20% of certain  
hair styling polymers, from about 0.2% to about 20% of certain  
non-aqueous solvents for said hair styling polymers, and from about  
0.05% to about 25% of a hair conditioning agent, in an aqueous base,

wherein the polymer and solvent are present in the **composition** as a dispersed fluid phase.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 60 OF 72 USPATFULL  
AN 91:22453 USPATFULL  
TI Dentifrice containing stabilized enzyme  
IN Dring, Timothy, Wharton, NJ, United States  
McPherson, Diane, Whitehouse Station, NJ, United States  
Moy, Debbie, New York, NY, United States  
PA Colgate-Palmolive Company, Piscataway, NJ, United States (U.S. corporation)  
PI US 5000939 19910319  
AI US 1985-798136 19851114 (6)  
RLI Continuation of Ser. No. US 1984-619879, filed on 12 Jun 1984, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Stone, Jacqueline  
LREP McGreal, Michael J., Sullivan, Robert C., Grill, Murray M.  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 699

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stable oral **compositions** containing the enzyme dextranase, a mixed surfactant system of anionic and amphoteric surfactants, and a **cationically modified** hydrolyzed collagen stabilizer, which stabilizer the dextranase in the presence of the anionic surfactant without substantially reducing its foaming and cleansing properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 61 OF 72 USPATFULL  
AN 90:44262 USPATFULL  
TI Low viscosity stable non-aqueous suspension containing organophilic clay and low density filler  
IN Cao, Hoai-Chau, Liege, Belgium  
Houben, Marie-Christine, Alleur, Belgium  
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)  
PI US 4931195 19900605  
AI US 1989-324996 19890317 (7)  
RLI Continuation of Ser. No. US 1987-102926, filed on 30 Sep 1987, now abandoned which is a continuation-in-part of Ser. No. US 1987-73551, filed on 15 Jul 1987, now patented, Pat. No. US 4828723  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Albrecht, Dennis; Assistant Examiner: Silbermann, James M.  
LREP Blumenkopf, N., Sullivan, R. C., Grill, M. M.  
CLMN Number of Claims: 25  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lecithin or certain other phosphate esters are added to a non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant containing small amounts of low density filler, such as hollow plastic or glass microspheres to provide stabilization against phase separation and further containing a small amount of organophilic modified clay, such as



a water-swellaable smectite clay, in which the metal cations are totally or partially exchanged with mono- or di-long chain quaternary **ammonium** compound to provide a viscoelastic network structure. The lecithin reduces plastic viscosity and helps maintain the viscoelastic network structure over extended periods of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 62 OF 72 USPATFULL  
AN 89:36393 USPATFULL  
TI Stable non-aqueous suspension containing organophilic clay and low density filler  
IN Cao, Hoai-Chau, Liege, Belgium  
Houben, Marie-Christine, Alleur, Belgium  
Julemont, Michel, Heusy, Belgium  
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)  
PI US 4828723 19890509  
AI US 1987-73551 19870715 (7)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Willis, Prince E.; Assistant Examiner: Krasnow, Ronald A.  
LREP Grill, M. M., Blumenkopf, N.  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1439

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant is stabilized against phase separation by the addition of small amounts of low density filler, such as hollow plastic or glass microspheres. The low density particulate filler is added in an amount to equalize the densities of the continuous liquid phase and the dispersed phase. Further stabilization against phase separation under strong vibration conditions is provided by addition of a small amount of organophilic modified clay, such as a water-swellaable smectite clay in which the metal cations are total or partially exchanged with mono- or di-long chain quaternary **ammonium** compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 63 OF 72 USPATFULL  
AN 89:17177 USPATFULL  
TI Treated glass fibers and aqueous dispersion and nonwoven mat of the glass fibers  
IN Gaa, Peter C., Pittsburgh, PA, United States  
Hedden, Jerry C., Shelby, NC, United States  
Motsinger, Donald L., Forest City, NC, United States  
Watkins, H. Kenyon, Pittsburgh, PA, United States  
PA PPG Industries, Inc., Pittsburgh, PA, United States (U.S. corporation)  
PI US 4810576 19890307  
AI US 1987-80040 19870731 (7)  
RLI Continuation-in-part of Ser. No. US 1985-781178, filed on 30 Sep 1985, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Gibson, Sharon A.  
LREP Stachel, Kenneth J.  
CLMN Number of Claims: 19  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1310

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Chemically treated glass fibers of the present invention perform well as wet chopped strands of glass fibers and are useful in producing glass fiber paper. In one aspect the chopped strands of glass fibers have an aqueous chemical treatment comprised of at least one water soluble, ungelled polymer having an effective viscosity, an effective film-forming capability and an effective molecular weight. In another aspect the chemically treated glass fibers have a chemical treating **composition** having a polyoxyethylene polymer as the water soluble and ungelled polymer with an effective film forming molecular weight along with water soluble, dispersible or emulsifiable aldehyde-condensate-reactable, polymeric agent, cationic lubricant or lubricating surfactant, aldehyde-condensate-reactable organo silane coupling agents and a carrier like water. The amount of the reactable polymeric agent is an effective white water compatible amount, where this agent is a polymer like either polyacrylamide or polyamide or a mixture of these. The aldehyde-condensate-reactable organo silane coupling agent can be an alkoxyated gamma aminoalkyltrialkoxysilane, a polyamino organo silane, mercapto functional organo silane or a ureido functional organo silane or a mixture thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 64 OF 72 USPATFULL  
AN 87:52117 USPATFULL  
TI Treated glass fibers and aqueous dispersion and nonwoven mat of the glass fibers  
IN Gaa, Peter C., Pittsburgh, PA, United States  
Hedden, Jerry C., Shelby, NC, United States  
Raghupathi, Narasimhan, Murrysville, PA, United States  
PA PPG Industries, Inc., Pittsburgh, PA, United States (U.S. corporation)  
PI US 4681802 19870721  
AI US 1986-834990 19860228 (6)  
RLI Division of Ser. No. US 1984-658009, filed on 5 Oct 1984, now patented, Pat. No. US 4592956  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kendell, Lorraine T.  
LREP Stachel, Kenneth J.  
CLMN Number of Claims: 6  
ECL Exemplary Claim: 1,6  
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)  
LN.CNT 1031

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Treated glass fibers having adequate protection for gathering into strands and when chopped being more dispersible in aqueous media. The treated glass fibers have a coating of an aqueous treating **composition**, wherein the solids have a cationic surfactant having one or more primary, secondary and/or tertiary amine moieties and one or more water dispersible, poly(oxyethylene-oxyalkylene) copolymer having an oxide ratio of about 78 to about 22 to about 99 to about 1 and an average molecular weight of at least 15,000, and one or more polar functional coupling agents. Optionally, the solids may also have one or more **starches** that are insoluble or only incompletely soluble in cold water. Glass fibers treated with the aqueous treating **compositions** and produced into wet or dry chopped glass fiber strands having lengths of about 1/16 of an inch (1.58 mm) to about 3 inches (76.2 mm), have good dispersibility in aqueous media with or without addition of dispersing agents. Nonwoven, sheet-like mat is produced from aqueous dispersions having the chopped treated glass fibers, where some of the water is removed and polymeric binders, commonly referred to as wet strength binders, are applied and the mat is cured. The resulting nonwoven, sheet-like mat product has very good strength properties for use as a reinforcing element for roofing

products, construction products and flooring products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 65 OF 72 USPATFULL  
AN 87:32073 USPATFULL  
TI Hydrophobe substituted, water-soluble cationic polysaccharides  
IN Brode, II, George L., Bridgewater, NJ, United States  
Kreeger, Russell L., Somerville, NJ, United States  
Goddard, Errol D., Haworth, NJ, United States  
Merritt, II, Frederick M., Belle Mead, NJ, United States  
Braun, David B., Ridgefield, CT, United States  
PA Union Carbide Corporation, Danbury, CT, United States (U.S. corporation)  
PI US 4663159 19870505  
AI US 1985-697241 19850201 (6)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Pesellev, Elli  
LREP Gibson, Henry H.  
CLMN Number of Claims: 39  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1850

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble, cationic polysaccharides, including quaternary nitrogen-containing cellulose ethers, containing hydrophobic substitution, are substantially water-soluble; provide aqueous solutions having enhanced viscosity, foaming and preferably improved surface properties; and possess utility in personal care, emulsions and cleansers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 66 OF 72 USPAT2  
AN 2002:344625 USPAT2  
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium  
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF  
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF  
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE  
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF  
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)  
PI US 6541564 B2 20030401  
AI US 2002-127508 20020423 (10)  
PRAI DE 2001-125138 20010522  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Acquah, Samuel A.  
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.  
CLMN Number of Claims: 16  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 1757

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 67 OF 72 USPAT2

AN 2002:105790 USPAT2  
TI Image-transfer medium for ink-jet printing, transfer printing process  
using the same, and transfer printing cloth  
IN Sato, Yuko, Kawasaki, JAPAN  
Sakaki, Mamoru, Yamato, JAPAN  
Katayama, Masato, Yokohama, JAPAN  
Higuma, Masahiko, Togane, JAPAN  
Kudo, Mifune, Kawasaki, JAPAN  
Moriya, Kenichi, Urayasu, JAPAN  
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)  
PI US 6495241 B2 20021217  
AI US 1997-845439 19970425 (8)  
PRAI JP 1996-130571 19960430  
JP 1996-221883 19960806  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Yamnitzky, Marie  
LREP Fitzpatrick, Cella, Harper & Scinto  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN 6 Drawing Figure(s); 3 Drawing Page(s)  
LN.CNT 1934  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB An image-transfer medium for ink-jet printing, comprising a releasing  
layer and a transfer layer containing fine particles of a thermoplastic  
resin and a polymeric binder, provided on a base material, wherein the  
polymeric binder is a thermoplastic resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 68 OF 72 USPAT2  
AN 2002:78790 USPAT2  
TI Thickener-rheology modifier system for personal care  
**compositions**  
IN Sorrentino, Paul M., Monmouth Jct., NJ, United States  
Cottrell, Ian W., Princeton, NJ, United States  
Pluyer, Johan G. L., East Millstone, NJ, United States  
Babenko, Tamara, Bridgewater, NJ, United States  
PA National Starch and Chemical Investment Holding Corporation, New Castle,  
DE, United States (U.S. corporation)  
PI US 6447803 B2 20020910  
AI US 1998-134221 19980814 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Webman, Edward J.  
LREP Kaiser, Esq., Karen G.  
CLMN Number of Claims: 8  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 429  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB A selected thickener-rheology modifier system comprising the combination  
of a hydrophobically, modified alkali-soluble thickener and a  
polysaccharide hydrocolloid or gum or polyalkylene glycol, preferably  
with a surfactant and more preferably with boric acid is especially  
useful in personal care **compositions** such as hair care and  
skin care **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 69 OF 72 USPAT2  
AN 2001:145274 USPAT2  
TI Fabric softening **compositions**  
IN Grainger, David Stephen, Wirral, UNITED KINGDOM

Green, Andrew David, Wirral, UNITED KINGDOM  
Mohammadi, Mansur Sultan, Wirral, UNITED KINGDOM  
PA Unilever Home & Personal Care USA, division of Conopco, Inc., Greenwich,  
CT, United States (U.S. corporation)  
PI US 6514931 B2 20030204  
AI US 2000-741396 20001220 (9)  
PRAI GB 1999-30435 19991222  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Hardee, John  
LREP Plotkin, Ellen  
CLMN Number of Claims: 7  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 749

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a fabric softening **composition** comprising;

(i) one or more cationic fabric softening compound(s) having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C.sub.8, and

(iv) at least one oily sugar derivative which is a liquid or soft solid derivative of a cyclic polyol or of a reduced saccharide, said derivative resulting from 35 to 100% of the hydroxyl groups in said polyol or in said saccharide being esterified or etherified, and wherein, the derivative has two or more ester or ether groups independently attached to a C.sub.8-C.sub.22 alkyl or alkenyl chain, and

(v) a deposition aid comprising a mixture of one or more nonionic surfactant(s), and one or more one cationic polymer(s),

and wherein the weight ratio of the nonionic surfactant to the cationic polymer is in the range 10:1 to 1:10.

The invention also provides a method of treating fabric with the above **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 70 OF 72 USPAT2  
AN 2001:105318 USPAT2  
TI Method for preparing fabric softening **compositions**  
IN Charlton, Ian David, Bebington, UNITED KINGDOM  
Grainger, David Stephen, Bebington, UNITED KINGDOM  
Mohammadi, Mansur Sultan, Bebington, UNITED KINGDOM  
Sakya, Prabhat, Bebington, UNITED KINGDOM  
PA Unilever Home & Personal Care USA, a division of Conopco, Inc.,  
Greenwich, CT, United States (U.S. corporation)  
PI US 6436896 B2 20020820  
AI US 2000-741379 20001220 (9)  
PRAI GB 1999-30430 19991222  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Hardee, John  
LREP Plotkin, Ellen  
CLMN Number of Claims: 8  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 1075

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a method for the preparation of an aqueous fabric softening **composition** comprising;

(i) at least one cationic fabric softening compound having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C.sub.8 and

(ii) at least one oily sugar derivative,

wherein the cationic fabric softening compound (i), and/or the oily sugar derivative (ii) is/are separately mixed with another active component of the fabric softening **composition** to form a pre-mixture prior to the admixing of the softening compound (i) with the oily sugar derivative (ii).

The invention also provides an aqueous based fabric softening **composition** produced by the method of the invention, and, a method of treating fabrics with the **composition** so produced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 71 OF 72 WPINDEX (C) 2003 THOMSON DERWENT

AN 2001-122058 [13] WPINDEX

CR 1999-460359 [39]

DNC C2001-035320

TI Matrix **composition** for fragrance inclusion and fragrance control release, particularly for targeted delivery to a surface such as skin, contains a wax or polymer matrix and a compatible surfactant.

DC A26 A96 D21 E11 E16

IN GUENIN, E P; MCDERMOTT, K J; SHEFER, A; SHEFER, S D; SMITH, L C; TEFFENHART, J M; TROTZINKA, K A

PA (INFL) INT FLAVORS & FRAGRANCES INC

CYC 1

PI US 6156826 A 20001205 (200113)\* 71p

ADT US 6156826 A CIP of US 1997-933599 19970918, US 1998-208461 19981210

FDT US 6156826 A CIP of US 6042792

PRAI US 1998-208461 19981210; US 1997-933599 19970918

AN 2001-122058 [13] WPINDEX

CR 1999-460359 [39]

AB US 6156826 A UPAB: 20011220

NOVELTY - A matrix **composition** comprises a wax or polymer matrix and a compatible surfactant, which can be :

- (a) a **cationic modified starch**;
- (b) tetra(2-hydroxypropyl) ethylenediamine;
- (c) **cetyl** trimethyl **ammonium** chloride; or
- (d) a quaternary **ammonium** polysilane derivative.

Surfactants (a) and (b) is in admixture with partially hydrolyzed polyvinyl acetate.

DETAILED DESCRIPTION - The matrix **composition** comprises a surfactant and a matrix material. The surfactant can be :

- (a) a RediBOND 5320 (**cationic modified starch**) in admixture with partially hydrolyzed polyvinyl acetate;
- (b) tetra(2-hydroxypropyl) ethylenediamine of formula (I), which is not useful as a surfactant but also increases the substantivity of fragrances;

(c) **cetyl** trimethyl **ammonium** chloride of formula (II); or

(d) a quaternary **ammonium** polysilane derivative of formula (III) in admixture with partially hydrolyzed polyvinyl acetate.

The polyvinyl acetate is hydrolyzed from 73-99% and has a molecular weight of 5000-67000. The matrix material can be polyamides having a molecular weight of 6000-12000, carnauba wax, candelilla wax, mixtures of **cetyl** palmitate and carnauba wax or candelilla wax, ozokerite wax, ceresin wax, or low density polyethylene wax having a molecular weight of 500-6000.

R = a moiety having a structure of CH<sub>3</sub>-(CH<sub>2</sub>)<sub>x</sub>;

m, x = 10-100

n = 3

USE - The **composition** is used in fragrance inclusion and fragrance control release, particularly for targeted delivery to a surface such as skin, hair, and fabric. It is particularly useful in hair care preparations such as hair gels and shampoos.

ADVANTAGE - The invention provides the need for an active product, i.e., a fragrance, flavor or drug, to be controllably and sustainably released over a long period of time in an efficacious manner. It also increases fragrance substantivity, particularly in hair care preparations such as hair gels and shampoos.

Dwg.0/18

L6 ANSWER 72 OF 72 WPINDEX (C) 2003 THOMSON DERWENT  
AN 1999-460359 [39] WPINDEX  
CR 2001-122058 [03]  
DNN N1999-344520 DNC C1999-135303  
TI Controlled, time-release microparticulate active/bioactive perfuming **compositions**.  
DC A11 A17 A18 A23 A26 A96 A97 D23 D25 E19 S03  
IN MCDERMOTT, K J; SHEFER, A; SHEFER, S D; TAN, C  
PA (INFL) INT FLAVORS & FRAGRANCES INC  
CYC 30  
PI EP 908174 A2 19990414 (199939)\* EN 93p  
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI  
CA 2246639 A1 19990318 (199939) EN  
JP 11171754 A 19990629 (199939) 49p  
ES 2133260 T1 19990916 (199946)  
CN 1240128 A 20000105 (200021)  
US 6042792 A 20000328 (200023)  
US 6050129 A 20000418 (200026)  
JP 2000096079 A 20000404 (200027)# 46p  
JP 2000121624 A 20000428 (200032)# 40p  
SG 75872 A1 20001024 (200060)  
ADT EP 908174 A2 EP 1998-306584 19980818; CA 2246639 A1 CA 1998-2246639  
19980903; JP 11171754 A JP 1998-262610 19980917; ES 2133260 T1 EP  
1998-306584 19980818; CN 1240128 A CN 1998-119646 19980917; US 6042792 A  
US 1997-933599 19970918; US 6050129 A US 1997-961561 19971030; JP  
2000096079 A Div ex JP 1998-262610 19980917, JP 1999-277764 19980917; JP  
2000121624 A Div ex JP 1998-262610 19980917, JP 1999-277763 19980917; SG  
75872 A1 SG 1998-3370 19980831  
FDT ES 2133260 T1 Based on EP 908174  
PRAI US 1998-64732 19980423; US 1997-933599 19970918; US 1997-961561  
19971030; JP 1999-277764 19980917; JP 1999-277763 19980917  
AN 1999-460359 [39] WPINDEX  
CR 2001-122058 [03]  
AB EP 908174 A UPAB: 20010307  
NOVELTY - Novel **compositions** including tetra(2-hydroxypropyl)ethylenediamine have high perfume substantivity and are useful for targeted delivery of bioactive/active substance to skin, hair, fabric, environment etc.

DETAILED DESCRIPTION - A **composition** for fragrancing perfumable material(s) and environment proximate to it comprises ellipsoidal hydrophobic particle having a continuous outer surface and an internal matrix volume consisting of:

(i) a single phase solid solution of a matrix material selected from hydrophobic polymer(s) and hydrophobic wax(es), each having a m.pt. of 35-120 deg. C at atmospheric pressure, having dissolved in them hydrophobic fragrance material, the solution having an outer surface and an internal matrix volume; and

(ii) proximate to the outer surface, a hydrophilic surfactant. The fragrance material has a calculated log10P of 1-8, in which P is the partition coefficient of the fragrance material between octanol and water.

The hydrophobic particle has an outside diameter of 0.05-20 microns, the concentration of fragrance material in the polymer or wax is 5-60 wt.% of the particle. The wt.% of the surfactant is 0.01-5 wt.% of the particle, with the wax, the surfactant and the polymer each being non-reactive with the fragrance material and one another.

INDEPENDENT CLAIMS are also included for:

- (1) a mixture of **cationic modified starch**, RediBOND 5320 (RTM) and partially hydrolyzed polyvinyl acetate, being partially hydrolyzed to an extent of 73 - 99% and having a mol wt of 5,000-67,000, with the wt ratio of the **starch**: hydrolyzed polyvinyl acetate of 2:1-1:2;
- (2) a mixture of quaternary **ammonium** polysilane derivative of formula (I):  
$$R = CH_3 - (CH_2)_x -$$
$$m, x = 10-100;$$
the wt ratio of quaternary **ammonium** polysilane derivative: partially hydrolyzed polyvinyl acetate is 1:2 to 2:1;
- (3) a method for increasing the substantivity of a fragrance material selected from aroma chemical(s) and perfume **composition(s)** comprising intimately admixing with the fragrance material tetra(2-hydroxypropyl) ethylenediamine of formula (II):
- (4) a **composition** of high fragrance substantivity comprising an intimate admixture of: (a) a fragrance material and (b) compound (II);
- (5) a process for fragrancng a perfumable material having a solid surface comprising contacting the solid surface of the perfumable material with particles of the main claim;
- (6) a process for preparing a hydrophobic perfume-containing material;
- (7) a process for preparing a hydrophobic perfume-containing **composition**;
- (8) a **composition** for effecting the targeted delivery of a bioactive/active substance to a solid surface comprising ellipsoidal hydrophobic particle(s) having a continuous outer surface and an internal matrix volume, the **composition** comprising a single phase solid solution and hydrophobic surfactant as specified in the main claim;
- (9) apparatus located in an X-Y-Z three-space for simultaneously testing the diffusivity, odor character and odor intensity of a fragrance material selected from aroma chemicals and fragrance **compositions**;
- (10) a process for simultaneously testing the diffusivity, odor character and odor intensity of a fragrance material comprising providing the apparatus as above, suspending a test sample containing a fragrance material in the suspension means of the apparatus and engaging the air supply means and the temperature monitor means.

USE - The particles are useful for controlled, time-release, targeted delivery of perfume **compositions** to skin, hair, fabric and the environment.

ADVANTAGE - The novel **compositions** have increased substantivity. The apparatus enables simultaneous measurement of diffusivity, odor character and odor intensity of the fragrance materials.

DESCRIPTION OF DRAWING(S) - The drawing shows the microparticle:  
Particle 90

Hydrophilic surfactant 93

Outer surface of single phase solid solution 91

Submicron layer of surfactant 92

Dwg. 9A/67



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(FILE 'HOME' ENTERED AT 15:58:00 ON 22 APR 2003)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,  
PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,  
USPAT2, WPINDEX, WTEXTILES' ENTERED AT 15:58:13 ON 22 APR 2003

L1       4605420 S COMPOSITION  
L2       153272 S L1 AND STARCH  
L3       469 S L2 AND (CATIONI? (W)MODIF?)  
L4       0 S L3 AND (DEGREE (W) SUBSTITUTION)  
L5       332 S L3 AND (ALKONIUM OR AMMONIUM)  
L6       72 S L5 AND (BENZALKONIUM OR CETYL)  
L7       37 S L6 AND (PERSONAL (W) CARE OR ADHESIVE OR FLOCCULENT OR CAGU

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